

Mn/DOT Metro District 2011 Amended SWPPP



Table of Contents

Introduction	4
PUBLIC EDUCATION AND OUTREACH	5
Distribute Educational Materials	5
Implement an Education Program	6
Education Program: Public Education and Outreach.....	7
Education Program: Public Participation.....	8
Education Program: Illicit Discharge Detection and Elimination	9
Education Program: Construction Site Run-off Control.....	10
Education Program: Post-Construction Stormwater Management in New Development and Redevelopment	11
Education Program: Pollution Prevention/Good Housekeeping for Municipal Operations	12
Coordination of Education Program	13
Annual Public Meeting	14
PUBLIC PARTICIPATION/INVOLVEMENT	15
Comply with Public Notice Requirements	15
Solicit Public Input and opinion on the Adequacy of the SWPPP	16
Consider Public Input	17
ILLICIT DISCHARGE DETECTION AND ELIMINATION	18
Storm Sewer System Map.....	18
Regulatory Control Program.....	21
Illicit Discharge Detection and Elimination Plan	22
Public and Employee Illicit Discharge Information Program.....	23
Identification of Non Stormwater Discharges and Flows.....	24
CONSTRUCTION SITE STORMWATER RUNOFF CONTROL	25
Ordinance or other Regulatory Mechanism.....	25
Construction Site Implementation of Erosion and Sediment Control BMPs	26
Waste Controls for Construction Site Operators	27
Procedure for Site Plan Review	28
Establishment of Procedures for the Receipt and Consideration of Reports of Stormwater Noncompliance..	29
Establishment of Procedures for Site Inspections and Enforcement	30
POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT	31
Development and Implementation of Structural and/or Non-structural BMPs	31
Regulatory Mechanism to Address Post Construction Runoff from New Development and Redevelopment	32
Long-term Operation and Maintenance of BMPs.....	33
POLLUTION PREVENTION/GOOD HOUSEKEEPING	34
Municipal Operations and Maintenance Program	34
Street Sweeping	35
Anti-Icing / De-Icing.....	36
Vegetation Management Program	37
Annual Inspection of All Structural Pollution Control Devices	38
Inspection of a Minimum of 20 percent of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis	39
Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas	40
Inspection Follow-up Including the Determination of Whether Repair, Replacement, or Maintenance Measures are Necessary and the Implementation of the Corrective Measures	41
Record Reporting and Retention of All Inspections and Responses to the Inspections	42
Evaluation of Inspection Frequency	43
Record Keeping Narrative	44
Discharges to TMDL Waters Narrative	45
Discharges to Waters with Prohibited Discharges Narrative	57

Discharges to Waters with Restricted Discharges Narrative..... 58

Discharges Adversely Impacting Trout Waters Narrative 59

Discharges to Wetlands Narrative..... 60

Discharges Requiring Environmental Review Narrative..... 61

Discharges Affecting Threatened or Endangered Species Narrative..... 62

Discharges Affecting Historic or Archeological Sites Narrative 63

Discharges Affecting Source Water Protection Areas Narrative/BMP 64

Figures..... 65

Figure 1: Watershed Map 66

Figure 2: Urbanized Area Map 67

Figure 3: 2006 Vulnerable Drinking Water Supply Areas within Mn/DOT Metro 68

Introduction

Mn/DOT Metro District Information

The Minnesota Department of Transportation Metro District (Mn/DOT Metro) contains eight counties within its boundary. The counties include Anoka, Carver, Chisago, Dakota, Hennepin, Ramsey, Scott and Washington. Of these eight counties, Chisago is the only rural county. There are also 35 watersheds which fall within the Mn/DOT Metro District (see figure 1 for a map of these areas). Our intent is to apply Mn/DOT Metro's SWPPP district wide, even though the 2000 census urbanized area only covers a portion of the district. We are doing this to be more proactive since development is occurring throughout the eight county Metropolitan area and ensure consistency in our activities. However, our resources will be directed at first addressing the 2000 census urbanized area. A map defining the Mn/DOT Metro District boundaries and the 2000 census urbanized area is attached (see figure 2). Mn/DOT Metro has approximately 1,500 employees, 3,950 lane miles, 320 interchanges, 1,200 bridges and 40,000 acres of right-of-way.

The departments within Mn/DOT Metro which are directly affected by the NPDES Phase II stormwater program include, but are not limited to, Metro Program Delivery, Metro Public Affairs, Business Operations and Services, Traffic and Maintenance Operations, Metro Maintenance Support, Transportation Operations, Water Resources Engineering and Metro District Operations.

Mn/DOT Metro's Stormwater Pollution Prevention Program

Mn/DOT Metro's Stormwater Pollution Prevention Plan (SWPPP) is designed to reduce the discharge of pollutants from its storm sewer system to the maximum extent practicable and addresses the six Minimum Control Measures defined by the NPDES Phase II regulations. In order to meet our goal, a combination of BMPs including education, maintenance, control techniques, system design and engineering methods were used.

As required by the Minnesota Pollution Control Agency (MPCA) standard BMP summary sheets which cover each of the six Minimum Control Measures have been incorporated into this SWPPP. Each BMP sheet is numbered according to what it represents in the permit. The information on each sheet includes a BMP description, measurable goals/performance measures, timeline, specific components & notes and responsible party information. Mn/DOT Metro's SWPPP also contains narrative information describing in-place procedures for TMDL waters, record retention, discharges to prohibitive waters, discharges to restricted waters, discharges adversely affecting trout waters, discharges to wetlands, discharges requiring environmental review, discharges affecting threatened or endangered species, discharges affecting historic or archeological sites and discharges affecting source water protection areas.

Mn/DOT Metro Contact Information

Questions regarding the Mn/DOT Metro NPDES stormwater program or the contents of this SWPPP should be directed to:

Beth Neuendorf, P.E.
Metro District Water Resources Engineer
Waters Edge Building
1500 West County Road B2
Roseville, MN 55113-3174

beth.neuendorf@state.mn.us

Phone Number:
(651) 234-7520

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 1-PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1a-1

<p>*BMP Title: Distribute Educational Materials</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Forums such as open houses, public meetings and special events; informational materials such as videos, brochures and a display; a website with information about our MS4 program, including printable brochures and links to other pertinent sites.• Plans for Program Implementation: Mn/DOT Metro currently provides education to the public through open houses, special events and website information about our MS4 program and what Mn/DOT Metro and the public can do to reduce/prevent pollution into our storm sewers. These practices will continue. Coordination efforts and using appropriate Mn/DOT Metro locations to aid in distributing educational materials will be added to current practices.• Target Audience: Mn/DOT Metro will target the users of Mn/DOT Metro's transportation corridors.• Types of Materials: Materials available will include brochures on pollution prevention associated with stormwater runoff, verbal/display information at open houses/special events, videos and a Metro MS4 website. This website would include information on what the public can do to reduce stormwater pollution, Mn/DOT Metro's Storm Water Pollution Prevention Plan, the NPDES MS4 permit, printable brochures and links to other pertinent websites.• Methods of Distribution/Communication: As stated above, Mn/DOT Metro currently hosts several open houses, participates in special events, holds a MS4 Annual meeting and has a website dedicated specifically to MS4. These will continue to be used as means of educating /informing the public about stormwater pollution prevention. Information to the public will also be available at appropriate Mn/DOT Metro locations. Coordination with appropriate entities to spread pollution prevention information will also occur. <p>Location(s) in SWPPP of detailed information relating to this BMP:</p> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Visitors to the MS4 Website• Number of brochures taken from appropriate Mn/DOT Metro locations, special events, open houses and the MS4 Annual Meeting.• Attendance at open houses, special events and the MS4 Annual Meeting.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006:</i> Update the MS4 website and the MS4 display.• <i>2007:</i> Incorporate new and updated educational program items into current practices. This involves creation and distribution of brochures at open houses, special events, the MS4 Annual Meeting and appropriate Mn/DOT Metro locations; presentation of the updated display at open houses and special events; and information on MS4 website will be up-to-date.• <i>Ongoing:</i> Update program as needed.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1b-1

<p>*BMP Title: Implement an Education Program</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Forums such as open houses, public meetings and special events; informational materials such as videos, brochures and a display; a website with information on our MS4 program including printable brochures and links to other pertinent sites.• Plans for Program Implementation: As mentioned in BMP 1a-1, Mn/DOT Metro currently has an educational program to inform the public on pollution prevention. This program involves public meetings/events which include a display on pollution prevention techniques and a website dedicated to the Mn/DOT Metro MS4 program. The educational program will be updated to address each of the six minimum control measures. The updated educational program will then be incorporated into current practices.• Target Audience: Mn/DOT Metro will target users of Mn/DOT Metro's transportation corridors.• Types of Materials: Materials available will include brochures on pollution prevention associated with storm water runoff, verbal/display information at open houses/special events, video and a Metro MS4 website. This website would include information on what the public can do to reduce stormwater pollution, Mn/DOT Metro's Storm Water Pollution Prevention Plan, the NPDES MS4 permit, printable brochures and links to other pertinent websites.• Methods of Distribution/Communication: As stated previously, there are public meetings and events to discuss the MS4 program in which Mn/DOT Metro currently participates in and a website dedicated to the MS4 Metro MS4 program. These methods will continue to be used as the main avenue to deliver information to the public on the six minimum control measures and Mn/DOT Metro's SWPPP. New additions to current practices will be the use of appropriate Mn/DOT Metro locations to distribute information. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Visitors to the MS4 Website• Number of brochures taken from appropriate Mn/DOT Metro locations, open houses, special events and the MS4 Annual Meeting.• Attendance at open houses, special events and the MS4 Annual Meeting.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006:</i> Update the MS4 website and the MS4 display.• <i>2007:</i> Incorporate new and updated educational program items into current practices. This involves creation and distribution of brochures at open houses, special events, the MS4 Annual Meeting and appropriate Mn/DOT Metro locations; presentation of the updated display at open houses and special events; and information on MS4 website will be up-to-date.• <i>Ongoing:</i> Update program as needed.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-1

*BMP Title: Education Program: Public Education and Outreach
*Audience(s) Involved: Employees of Mn/DOT Metro and users of Mn/DOT Metro's transportation corridors.
*Educational Goals for Each Audience: Mn/DOT Metro would like to increase awareness and understanding on the importance of stormwater pollution prevention and how to use the public to aid in pollution prevention.
*Activities Used to Reach Educational Goals: Website, informational displays and brochures will be used to reach educational goals. Also, internal notification of MS4 annual meeting will occur.
*Activity Implementation Plan: <ul style="list-style-type: none">• <i>2006:</i> Update website and informational display (Water Resources & Public Affairs).• <i>2007:</i> Incorporate new and updated educational program items into current practices. This involves the creation and distribution of brochures at open houses, special events, the MS4 Annual Meeting and appropriate Mn/DOT Metro locations; presentation of the updated display at open houses and special events; and information on MS4 website will be up-to-date (Water Resources & Public Affairs).• <i>Ongoing:</i> Update program as needed (Water Resources & Public Affairs).
*Performance Measures: <ul style="list-style-type: none">• Visitors to the MS4 Website• Number of brochures taken from appropriate Mn/DOT Metro locations, open houses, special events and the MS4 Annual Meeting.• Attendance at open houses, special events and the MS4 Annual Meeting.• An increase of other MS4's contacting Mn/DOT Metro to create and share educational ideas.
*Responsible Party for this BMP: Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-2

*BMP Title: Education Program: Public Participation
*Audience(s) Involved: Users of the State's transportation system.
*Educational Goals for Each Audience: Mn/DOT Metro would like to increase the public's awareness and understanding of stormwater pollution and how they can aid in stormwater pollution prevention.
*Activities Used to Reach Educational Goals: As stated in prior BMPs, Mn/DOT Metro will continue its current educational program in which information is delivered though public forums and a MS4 Website. Brochures will be available at appropriate Mn/DOT Metro locations. Mn/DOT already has public participation through the Adopt a Highway program, which promotes cleaning up our highways. This group will also be given additional education in pollution prevention and detection of possible stormwater pollution.
*Activity Implementation Plan: <ul style="list-style-type: none">• 2006/2007: Mn/DOT Metro's updated educational program will begin implementation as stated in previous BMP's (Water Resources and Public Affairs).
*Performance Measures: Increases in public participation will be measured by: <ul style="list-style-type: none">○ Attendance number increases at annual public meeting○ Information taken special events, open houses, the MS4 Annual Meeting and appropriate Mn/DOT Metro locations.○ Feedback given by the public.○ Problems reported by the public.
*Responsible Party for this BMP: Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-3

*BMP Title: Education Program: Illicit Discharge Detection and Elimination
*Audience(s) Involved: Employees of Mn/DOT Metro and other appropriate entities
*Educational Goals for Each Audience: Increased awareness in relation to what an illicit discharge is and the prevention and detection of illicit discharges.
*Activities Used to Reach Educational Goals: Mn/DOT Metro District's current educational program will be used and modified to incorporate information on illicit discharge. This information will be in the following formats; video, brochures and part of the MS4 Website (readable information, links and printable brochures). Mn/DOT Metro is currently in the process of creating an illicit discharge video and informational handouts which will be shown to employees and volunteers who work in Mn/DOT right of way.
*Activity Implementation Plan: <ul style="list-style-type: none">• 2006: Creation of Illicit Discharge Detection and Reporting Video and training materials including contact flow chart and informational sheet (Water Resource and Maintenance).• 2006/2007: Education of internal employees and volunteers (Maintenance).• 2007: Incorporate updated educational program into current practices (Water Resources, Maintenance and Public Affairs).• <i>Ongoing</i>: Update program as needed.
*Performance Measures: Number of people trained in illicit discharge detection and elimination.
*Responsible Party for this BMP: Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-4

<p>*BMP Title: Education Program: Construction Site Run-off Control</p>
<p>*Audience(s) Involved: Mn/DOT Design, Water Resources, Construction and contractor staff.</p>
<p>*Educational Goals for Each Audience: Increase skills, awareness and understanding of the importance of erosion and sediment control BMP's installation, maintenance and enforcement.</p>
<p>*Activities Used to Reach Educational Goals: Mn/DOT currently coordinates with the University of Minnesota for the training and certification of Erosion Control Specialists. At least one Erosion Control Specialist must be present on a construction site as required by the NPDES Construction Permit. Mn/DOT also has pre-construction and construction coordination meetings where site plans are reviewed. Site plans contain the erosion and sediment control information and are reviewed on a routine basis throughout the construction project.</p>
<p>*Activity Implementation Plan:</p> <ul style="list-style-type: none"> • <i>2006-2010:</i> Construction employees and contractors will continue to be required to attend classes to earn/renew their Erosion Control Specialist Certification (Inspector/Installer and Management). • <i>2006-2010:</i> Design and Water Resources employees will continue to attend classes to earn/renew their Design of Stormwater Pollution Prevention Plans (Design and Water Resources). • <i>Ongoing:</i> Continue to hold pre-construction and construction coordination meetings.
<p>*Performance Measures: Mn/DOT staff certification training will be monitored and recorded in the Mn/DOT training database. Contractors will be required to submit their cards showing that they are certified erosion/sediment inspectors or installers. Erosion and sediment control will be discussed at each pre con meeting and weekly meeting for projects with a NPDES Construction Permit.</p>
<p>*Responsible Party for this BMP:</p> <p style="margin-left: 20px;">Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-5

*BMP Title: Education Program: Post-Construction Stormwater Management in New Development and Redevelopment
*Audience(s) Involved: WRE, Planning, Permits, cities and adjacent landowners to Mn/DOT Metro right of way.
*Educational Goals for Each Audience: To increase awareness and understanding about the importance of obtaining a drainage permit, treating stormwater and controlling the rate/volume of stormwater prior to discharging onto Mn/DOT right of way.
*Activities Used to Reach Educational Goals: <ul style="list-style-type: none">• Communication within WRE, Area Groups, Planning and Permits to inform why this is needed and how it is going to be accomplished.• Externally, information pertaining to Mn/DOT requirements and stormwater pollution prevention will be included with every plat review letter, site plan review letter and drainage permit.
*Activity Implementation Plan: <ul style="list-style-type: none">• <i>2006/2007:</i> Begin meetings internally with WRE, Planning and Permits to begin revising process . Work with Planning and Permits in including additional requirements and information in site plan review letters, plat review letters and drainage permit applications (Water Resources).• <i>2007:</i> Begin implementation of updated permit requirements (Planning, Permits).• <i>Ongoing:</i> Update permit requirements and process as needed (Water Resources). Also, work with cities and watersheds to assist with maintenance and compliance adjacent to Mn/DOT right of way (Water Resources).
*Performance Measures: <ul style="list-style-type: none">• Compliance with treatment, rate/volume control measures on properties adjacent to Mn/DOT right of way that are sending Mn/DOT stormwater runoff.• Compliance with maintenance of structures on properties adjacent to Mn/DOT right of way.
*Responsible Party for this BMP: Name: Beth Neuendorf Department: Water Resources Phone: 651-234-7520 E-mail: beth.neuendorf@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-6

*BMP Title: Education Program: Pollution Prevention/Good Housekeeping for Municipal Operations
*Audience(s) Involved: Metro Maintenance and Water Resources staff.
*Educational Goals for Each Audience: Increase understanding, knowledge, skill and desired behavior in employees in pollution prevention practices.
*Activities Used to Reach Educational Goals: <ul style="list-style-type: none">• Mn/DOT Metro currently implements a mandatory training for its maintenance employees on how to reduce/prevent pollutants from entering the storm sewer system when performing fleet and building maintenance. This training is done through a video and is performed each year (Maintenance).• Mn/DOT Metro also trains its truck station supervisors each year on pollution prevention techniques during activities such as cleaning Mn/DOT's storm sewer system. This training includes examples of good and bad practices, maps of environmentally sensitive areas, an erosion control handbook and contact information for when questions arise (Maintenance).• Training is also provided on how to inspect storm sewers. This training includes what is normal / not normal, when to report something and why the inspections are important. GPS instruction is also provided during these sessions since it is used to track Mn/DOT inventories and inspections (Water Resources).• Inspection of exposed stockpile will become part of the yearly required training program for Metro Maintenance staff (Maintenance).
*Activity Implementation Plan: <ul style="list-style-type: none">• 2006: Create stockpile inspecting aspect for training program (Facilities).• 2006/2007: Incorporate stockpile inspection training into current yearly required maintenance training program (Facilities).• Ongoing: Continue Water Resources and Maintenance training programs and update as needed (Water Resources, Maintenance).
*Performance Measures: Performance measures will be based on the number of employees trained and how the specific activities are carried out.
*Responsible Party for this BMP: Name: Jim Michael Department: Maintenance Phone: 651-234-7906 E-mail: james.michael@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1d-1

<p>*BMP Title: Coordination of Education Program</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Verbal and written communication.• Plans for Program Implementation: Coordination is one of the most important aspects in meeting our educational goals. Coordination will begin in 2006 by contacting appropriate entities and introducing Mn/DOT Metro's ideas and goals. Once contact has been initiated, coordination will continue as needed in order to achieve educational goals.• Target Audience: Cities and watershed districts in the Metro Area.• Type of Materials to be Distributed: Brochures with information on Mn/DOT Metro's MS4 program and what the public can do to aid in pollution prevention. Information on Mn/DOT Metro's drainage permit process.• Methods of Distribution: Contacts will be made though phone, email and/or letters. How to distribute materials will be decided after contacts have been solidified. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p>Creation of a contact list.</p> <ul style="list-style-type: none">• Begin coordination with appropriate entities for educational purposes.• Distribution of educational materials through the use of coordination.• Coordination efforts to continue yearly.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006:</i> Contact list created and initial contacts made.• <i>2006/2007:</i> Begin coordination with appropriate entities for educational purposes.• <i>2007:</i> Distribution of educational materials through the use of coordination.• <i>Ongoing:</i> Continue with coordination efforts.
<p>Specific Components and Notes:</p> <p>Interest in a combined annual meeting with other MS4's will be determined through coordination.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1e-1

<p>*BMP Title: Annual Public Meeting</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Meeting area, mailing list and publish / distribution of meeting notice.• Plans for Program Implementation: An annual meeting will be held at a water education event we will participate in. The meeting will be noticed at least 30 days prior to the water education event in a local newspaper. A letter with the Annual Meeting information will also sent out at least 30 days prior to the meeting to all cities, townships, counties and watersheds within the Metro area.• Target Audience: Public and staff of any city, county, township and watershed within the Metro area.• Types of Materials Distributed: Letters will be distributed. Information on Mn/DOT Metro's Stormwater Pollution Prevention Program including brochures, information cards, etc will be distributed at the event. A copy of the Mn/DOT Metro SWPPP will be available for review. Anyone having comments will be directed to submit comments to the Mn/DOT Metro MS4 website.• Methods of Distribution or Communication: Mail, newspapers and verbal methods will continue to be used. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p>To increase number of public participants in Annual Meeting(s).</p>
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i><ul style="list-style-type: none">○ Mail/Publish notice at least 30 days prior to Annual Meeting○ Update mailing contact list by January of each year○ Select water education event to host annual meeting.○ Hold Annual Meeting
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2a-1

***BMP Title:** Comply with Public Notice Requirements

***BMP Description:**

- **BMP Program Components:** A notice for the Annual Meeting with information on date, time, location, description how the meeting will be conducted, location of SWPPP and other pertinent information.
- **Plans for Program Implementation:** Mn/DOT Metro currently displays our notice for the MS4 Annual Meeting in a regional paper, sends letters to all cities, townships, counties and watersheds within the MS4 Metro Area and posts the MS4 Annual Meeting information (location, date and time) on our MS4 Website. These practices will continue to be done.
- **Target Audience:** Internal Mn/DOT employees; Cities, Counties, Townships and Watershed staff; General Public
- **Process for Collecting Input/ Avenues in which Comments may be Submitted/ Procedure for Submitting Oral and/or Written Comments:** Mn/DOT Metro will continue to collect input/comments from verbal comments at the MS4 Annual Meeting and from emails/phone calls from people who visit our MS4 Website. The SWPPP will be available on the MS4 website for review. The website lists contact information so if there are comments/concerns/questions, email links and a phone number are available for use. The MS4 Annual Meeting will also have our SWPPP and a summary of our MS4 activities for the year available for viewing. There will be representatives from Mn/DOT Metro to answer any questions and concerns. After all comments have been received, all pertinent comments will be taken into consideration for incorporation into the SWPPP.

Location(s) in SWPPP of detailed information relating to this BMP:

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

***Measurable Goals:**

- Keep mailing list up to date.
- Mail notice more than 30 days prior to Annual Meeting.
- Publish meeting notice in newspaper 30 days or more prior to Annual Meeting

***Timeline/Implementation Schedule:**

- *Ongoing:*
 - January: Ensure mailing list is current
 - February: Update previous years notice with new information
 - March: Mail notice letter to those on mailing list. Publish notice in newspaper.
 - Spring: Annual Meeting will be held

Specific Components and Notes:

***Responsible Party for this BMP:**

Name: Barb Loida

Department: Water Resources

Phone: 651-234-7539

E-mail: barbara.loida@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2b-1

<p>*BMP Title: Solicit Public Input and opinion on the Adequacy of the SWPPP</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: MS4 Website• Plans for Program Implementation: Mn/DOT Metro currently provides opportunity for public input on our SWPPP through our MS4 Website.• Target Audience: Cities, Townships, Counties and Watershed staff; General Public• Process for Collecting Input/Avenues in which Comments may be Submitted; Procedure for Submitting Oral/Written Comments: Mn/DOT Metro will collect input/verbal comments at the MS4 Annual Meeting and from emails/phone calls from people who visit our MS4 Website. The SWPPP will be available on the MS4 website for review. The website lists contact information so if there are comments/concerns/questions, email links and a phone number are available for use. The MS4 Annual Meeting will also have our SWPPP and summary of our MS4 activities for the year available for viewing. There will be representatives from Mn/DOT Metro to answer any questions and concerns. After all comments have been received, all pertinent comments will be taken into consideration for incorporation into the SWPPP. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Increase public participation• Provide ample opportunity for public input• Increase accessibility of information including the use of Mn/DOT Metro's MS4 Website
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i><ul style="list-style-type: none">○ End of May: Deadline for submitting comments○ Mid- June: Incorporate pertinent comments into Annual Report○ Mid-June: Finalize Annual Report
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-24-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2c-1

<p>*BMP Title: Consider Public Input</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: MS4 Annual Meeting and MS4 Website• Plans for Program implementation: Each year all pertinent comments received are considered for incorporation into the SWPPP. Mn/DOT Metro will continue this practice.• Target Audience: Internal Mn/DOT Metro employees; Cities, Townships, Counties and Watershed staff; General public.• Process for Collecting Input/Avenues in which Comments may be Submitted; Procedure for Submitting Oral/Written Comments: Mn/DOT Metro will continue to collect verbal comments at the MS4 Annual Meeting and from emails/phone calls from people who visit our MS4 Website. The SWPPP will be available on the MS4 website for review. The website lists contact information so if there are comments/concerns/questions, email links and a phone number are available for use. The MS4 Annual Meeting will also have our SWPPP and a summary of MS4 activities for the year available for viewing. There will be representatives from Mn/DOT Metro to answer any questions and concerns. After all comments have been received, all pertinent comments will be taken into consideration for incorporation into the SWPPP. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Increase public participation• Provide ample opportunity for public input• Increase accessibility of information including the use of Mn/DOT Metro's MS4 Website
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i><ul style="list-style-type: none">○ End of May: Deadline for submitting comments○ Mid - June: Incorporate pertinent comments into Annual Report○ Mid - June: Finalize Annual Report
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-24-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3a-1

***BMP Title:** Storm Sewer System Map

***BMP Description:**

- **BMP Program Components:** Water Resources Inventory and Inspection Program; Mapping System
- **Plans for Program Implementation:** We will develop a Metro District storm sewer system inventory map by June 30, 2008 to the best of our ability and update the contents to keep it current. The map will contain the following:
 - Ponds, sediment basins and wetlands that are part of our system
 - SPCDs (structural pollution control devices such as grit chambers, separators, etc.) that are part of our system
 - Pipes and conveyances that are in our system (at least those 24 inches in diameter or larger)
 - Outfalls (to include):
 - discharges from the Mn/DOT Metro system into other MS4s
 - discharges from the Mn/DOT Metro system into waters (streams and lakes) / wetlands that are not part of the Mn/DOT Metro system
 - points of discharge that are outlets (pipes and ditches), not diffuse flow areas
- **Target Audience:** Mn/DOT Metro Water Resources, Design and Maintenance staff and cities and counties that are interested in our system.

Location(s) in SWPPP of detailed information relating to this BMP:

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

***Measurable Goals:**

- Complete storm sewer system inventory and inspection by June 30, 2008.
- Map storm sewer infrastructure by June 30, 2008 to the best of our ability.
- Establish process to locate and map known ponds and structural pollution control devices in 2006.
- Establish process to locate and map known outfalls in 2007
- Develop procedure to combine the known components of the storm sewer network for connectivity by 2008.

***Timeline/Implementation Schedule:**

- *2006:*
 - Continue identifying known ponds and sediment basins for inclusion in storm sewer map and database.
 - Create Internet Mapping Service (ArcIMS website) that will allow real time intranet viewing of Mn/DOT storm sewer infrastructure. Ponds will be added first, other features to follow.
 - Continue coordinating with adjacent MS4s to share and obtain available mapping for all storm sewer infrastructure.
 - Develop procedure to locate and verify locations of known SPCDs.
 - Perform training to other staff on process to locate and verify SPCDs.
- *2007:*
 - Add results of the inventory process for SPCDs to the storm sewer map and to the ArcIMS website.
 - Develop process to locate, verify, and map known outfall locations.
 - Perform training to other staff on process to locate and verify outfall locations.
 - Add outfalls from the inventory process to the storm sewer map and to the ArcIMS website.
 - Begin developing a process to create linear network connectivity within storm sewer inventory.

- 2008:
 - Perform training to other staff on process to create linear network connectivity (if applicable).
 - Create connectivity within storm sewer network and upload completed connected network data to Internet Mapping Service.

Specific Components and Notes:

Paralleling the completion of this storm sewer map will be the creation of an Internet Mapping Service (GeoCortex website) that will allow Metro Water Resources Engineering to provide our storm sewer mapping on an intranet web site. As we map the known components of the system, their updated contents can be uploaded to the website allowing an up-to-date, live, "snapshot" for internal Mn/DOT employees to view the inventory. Access to this map by cities, counties and watersheds will be made available through coordination efforts.

Resources and materials that will be used to gather information about the components of the storm sewer map include the following:

- Mn/DOT Inventory Database
- Existing highway design plans
- New highway design files
- Historical knowledge from Maintenance staff and Water Resources staff
- Historical construction abstracts
- Maintenance agreements entered into with Municipalities, Counties and other agencies
- Storm sewer location information from municipalities within the Mn/DOT Metro District area
- Inspection and Maintenance Records

As stated above in the 'Plans for Program Implementation' section, SPCD's, Ponds, Outfalls and Pipe information will be collected and mapped. The following information describes how the data will be collected to make this map a possibility.

- Structural Pollution Control Devices (SPCDs)
 - Beginning in 2006, develop a data mining process for the location of SPCDs that are part of the storm sewer system. This process should answer questions such as what the type of pollution control device is, its location, whether or not it is part of the storm sewer system, where it discharges, and its maintenance requirements. Once a process has been identified to mine the data, training of staff on this process will be necessary.
 - In 2007, incorporate identified SPCDs into the storm sewer system inventory map. Attributes for items will be included or cross-referenced.
- Storm Sewer System
 - On a yearly basis, collect all let plans. Review plans for potential new ponds, sediment basins, pipes, conveyances, SPCDs, water bodies, hydraulic structures, aprons and outfalls that are part of the storm sewer system and update the storm sewer system inventory map.
 - On an annual basis, coordinate and train staff to perform the collection of office and field data for the baseline storm sewer system inventory. Staff should collect data to document pipes, conveyances, connectivity, water bodies and outfalls that are part of the storm sewer system.
 - On an annual basis, update the storm sewer system inventory map based on the field inventory and reported findings during routine structural BMP inspections performed.
- Outfalls
 - In 2006, continue to coordinate with adjacent MS4s to share available mapping that details where outfalls may leave or enter Mn/DOT Right of Way, except where entering another

entity's structural conveyance system..

- In 2007, develop a process to identify and report the location of storm water outfalls that are part of the storm sewer system. The inventory results should detail the type of outfall (pipe, ditch, etc.), its location, and where it discharges.

***Responsible Party for this BMP:**

Name: Barb Loida

Department: Water Resources

Phone: 651-234-7539

E-mail: barbara.loida@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3b-1

<p>*BMP Title: Regulatory Control Program</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Illicit Discharge Contact Flow Chart.• Plans for Program Implementation: Mn/DOT Metro is in the process of creating an illicit discharge contact flow chart. The contact flow chart lists who to call and the order to call them in when an illicit discharge is suspected. This flow chart will closely follow what is currently practiced, which is as follows: if an illicit discharge is suspected, it is reported to dispatch which will alert the Central Office of Environmental Services Environmental Investigation Unit, the State Duty Officer and other appropriate people (Maintenance and Water Resources). The MPCA, or other appropriate entity such as a city or watershed district, will carry out the proper enforcement actions since Mn/DOT Metro does not have regulatory capabilities.• Target Audience: Internal Mn/DOT Staff <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Creation of illicit discharge video and contact flow chart.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006:</i> Creation of illicit discharge contact flow chart as part of the illicit discharge video contract.• <i>2006/2007:</i> Implementation of illicit discharge reporting procedure.• <i>Ongoing:</i> Continued implementation of illicit discharge reporting procedure.
<p>Specific Components and Notes:</p> <p>As mentioned in BMP 1c-3, an illicit discharge video along with supporting educational materials (including the contact flow chart) will be created to educate internal staff and Adopt-A-Highway Volunteers on illicit discharge. The contact flow chart will be part of the training program given to those mentioned. Please refer to BMP 1c-3 for education timeline.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-24-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3c-1

<p>*BMP Title: Illicit Discharge Detection and Elimination Plan</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Illicit discharge detection and reporting system• Plans for Program Implementation: Currently, Water Resources staff inventories our storm sewer system on a routine basis. If during routine inventory/inspections suspicious circumstances arise which suggests an illicit discharge, dispatch will be contacted and the proper people will be notified as mentioned in BMP 3b-1. Maintenance staff does routine cleaning to ensure our storm sewer system is functioning correctly. During cleaning activities if an illicit discharge is suspected, dispatch will be notified and the proper contacts will be made as mentioned in BMP 3b-1. This will continue to be the practice used to identify illicit discharges. This BMP will be expanded to include others on Mn/DOT right of way such as Construction, Design, Right of Way and Surveys personnel once all Water Resources and Maintenance Staff have been trained.• Target Audience: Internal Mn/DOT Metro Field Staff (first priority is implementing the improved training for Water Resources and Maintenance Staff) <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Water Resources and Maintenance staff trained in illicit discharge detection and reporting.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006-2010:</i> Continue routine inspections/cleaning• <i>2006-2008:</i> Improved training of Water Resources and Maintenance Staff• <i>2007:</i> Dispatch code to be created• <i>2007:</i> Develop a procedure to follow up with results of investigations• <i>Ongoing:</i> Expansion of training to other field personnel within Mn/DOT right of way
<p>Specific Components and Notes:</p> <p>As mentioned in BMP 1c-3, an illicit discharge video is being created to aid in the education of internal field staff and Adopt-A-Highway volunteers. For the education timeline and information on the proposed illicit discharge program please see BMP 1c-3.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3d-1

<p>*BMP Title: Public and Employee Illicit Discharge Information Program</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: An illicit discharge video, brochures and website information.• Plans for Implementation: As stated in BMP 1c-3, Mn/DOT Metro is currently in the process of creating an illicit discharge video and educational handouts which will be shown to employees and Adopt-A-Highway volunteers groups who work in the field. Education of citizens and businesses adjacent to the Mn/DOT right of way will take place through coordination with appropriate entities.• Target Audience: Mn/DOT employees, volunteers and the public. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Select internal Mn/DOT Metro Staff will be trained in detection and reporting of illicit discharge• Video is shown at all MS4 Annual Meetings• Information on illicit discharge is available on Mn/DOT Metro's MS4 website including printable brochures and links to pertinent websites• Brochures and information on display boards are shown at special events and open houses
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006:</i> Creation of illicit discharge video, informational brochures and posting information on MS4 Website.• <i>2006/2007:</i> Education/Training of internal staff and volunteers (Please see BMP 1c-3).• <i>2007:</i> Begin coordination with appropriate entities for aid in education and elimination of illicit discharges to Mn/DOT's MS4.
<p>Specific Components and Notes:</p> <p>As mentioned in BMP 1c-3, an illicit discharge video is being created to aid in the education of internal staff and Adopt-A-Highway volunteers. For the education timeline and information on the proposed illicit discharge program please see BMP 1c-3.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3e-1

<p>*BMP Title: Identification of Non Stormwater Discharges and Flows</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Evaluation process• Plans for Program Implementation: Mn/DOT Metro will develop a process to evaluate whether any of the following categories of non-stormwater discharges or flows are significant contributors of pollutants to our MS4: Uncontaminated ground water infiltration, irrigation water, springs, flows from riparian habitats and wetlands and structure washing water. For any non-stormwater discharges or flows which Mn/DOT Metro finds to be a significant contributor of pollutants to the MS4, Mn/DOT Metro will develop a standard operating procedure to address the impact the discharge is having on stormwater quality.• Target Audience: Mn/DOT Metro Maintenance, Water Resources, Cities and Landowners <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Conduct investigation and evaluation of non-stormwater discharges and flows.• For those non-stormwater discharges or flows identified as significant contributors of pollutants to our MS4, develop a standard operating procedure to address the impact the discharge is having on stormwater quality.• Implement the standard operating procedure for significant non-stormwater discharges and flows.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006-2007:</i> Conduct investigation and evaluation of non-stormwater discharges and flows and develop standard operating procedures for those which are identified as being significant contributors of pollutants to our MS4.• <i>2008:</i> Implement the standard operating procedures for significant non-stormwater discharges and flows.• <i>Ongoing:</i> Continue with standard operating procedures concerning significant non-stormwater discharges and flows.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4a-1

<p>*BMP Title: Ordinance or other Regulatory Mechanism</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Mn/DOT Standard Specification and Special Provisions• Target Audience: Contractors and Sub-Contractors• Specific Information: Contractors and sub-contractors are to follow the NPDES Construction Activity permit requirements. These requirements have been written into Standard Specifications and Special Provisions. Mn/DOT Standard Specifications contain language which requires all contractors and sub-contractors working on projects which involve grading to have certified erosion control personnel on site. They are also to provide an Erosion Control Supervisor to oversee all erosion control activities on the project. If erosion and sediment control plans/ provisions are not complied with, monetary penalties are enforced on a per day basis.• Waste Control Guidelines: The collection and disposal of waste guidelines are based on the MPCA requirements and are written into the Special Provisions. These Special Provisions are created for all projects. If non-compliance occurs, monetary penalties are enforced on a per day basis.• System in place to receive/ respond to concerns of construction site non-compliance: Currently Mn/DOT Metro Construction Resident Engineers, as well as some others within Mn/DOT Metro, receive and respond to concerns pertaining to erosion/ sediment control. These concerns are recorded and are reported yearly in the MS4 Annual Report.• Priority Areas of Inspection and Enforcement Activities Related to Construction Sites: Areas of inspection mainly focus on where potential erosion could occur and where erosion and sediment controls have been placed. Inspectors focus on BMP placement, maintenance and installation quality. If non-compliance occurs, monetary penalties are enforced on a per day basis. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Continued implementation and updating of Standard Specifications and Special Provisions
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i> Continue current practices and update as needed.
<p>Specific Components and Notes:</p> <p>Insure all District construction projects with one or more acres of soil impact, address erosion and sediment control according to this SWPPP.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Terry Zoller Department: Construction Phone: 651-234-7367 E-mail: terry.zoller@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4b-1

<p>*BMP Title: Construction Site Implementation of Erosion and Sediment Control BMPs</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: The NPDES Phase II Construction Site Permit and Mn/DOT Contract Provisions• Target Audience: Mn/DOT Metro Construction, Contractors and Sub-contractors• Specific Information Pertaining to Current Ordinances: Contractors and sub-contractors are to follow the NPDES Construction Activity permit requirements. These requirements have been written into Standard Specifications and Special Provisions. Mn/DOT Standard Specifications contain language which requires all contractors and sub-contractors working on projects which involve grading to have certified erosion control personnel on site. They are also to provide an Erosion Control Supervisor to oversee all erosion control activities on the project. If erosion and sediment control plans/ provisions are not complied with, monetary penalties are enforced on a per day basis.• Waste Control Guidelines: The collection and disposal of waste guidelines are based on the MPCA requirements and are written into the Special Provisions. These Special Provisions are created for all projects. If non-compliance occurs, monetary penalties are enforced on a per day basis.• System in place to receive/ respond to concerns of construction site non-compliance: Currently Mn/DOT Metro Construction Resident Engineers, as well as some others within Mn/DOT Metro, receive and respond to concerns pertaining to erosion/ sediment control. These concerns are recorded and are reported yearly in the MS4 Annual Report.• Priority Areas of Inspection and Enforcement Activities Related to Construction Sites: Areas of inspection mainly focus on where potential erosion could occur and where erosion and sediment controls have been placed. Inspectors focus on BMP placement, maintenance and installation quality. If non-compliance occurs, monetary penalties are enforced on a per day basis. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Continued implementation of erosion and sediment control practices.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i> Continue current practices and update as needed.
<p>Specific Components and Notes:</p> <p>Insure all District construction projects with one or more acres of soil impact, address erosion and sediment control according to this SWPPP.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Terry Zoller Department: Construction Phone: 651-234-7367 E-mail: terry.zoller@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4c-1

<p>*BMP Title: Waste Controls for Construction Site Operators</p>
<p>*BMP Description:</p> <ul style="list-style-type: none"> • BMP Program Components: MPCA Requirements and Mn/DOT Contract Provisions • Target Audience: Mn/DOT Metro Construction, Contractors and Sub-contractors • Specific Information Pertaining to Current Ordinances: See waste control guidelines below. • Waste Control Guidelines: The collection and disposal of waste guidelines are based on the MPCA requirements and are written into the Special Provisions. These Special Provisions are created for all projects. If non-compliance occurs, monetary penalties are enforced on a per day basis. • System in place to receive/ respond to concerns of construction site non-compliance: Currently Mn/DOT Metro Construction Resident Engineers, as well as some others within Mn/DOT Metro, receive and respond to concerns pertaining to erosion/ sediment control. These concerns are recorded and are reported yearly in the MS4 Annual Report. • Priority Areas of Inspection and Enforcement Activities Related to Construction Sites: Areas of inspection mainly focus on where waste containment BMP's have been placed, where potential erosion could occur and where erosion and sediment controls have been placed. Inspectors focus on BMP placement, maintenance and installation quality. If non-compliance occurs, monetary penalties are enforced on a per day basis. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none"> • Continued implementation of waste control requirements.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none"> • <i>Ongoing:</i> Continue current practices and update as needed.
<p>Specific Components and Notes:</p> <p>Insure all District construction projects with one or more acres of soil impact, address erosion and sediment control according to this SWPPP.</p>
<p>*Responsible Party for this BMP:</p> <p style="margin-left: 20px;">Name: Terry Zoller Department: Construction Phone: 651-234-7367 E-mail: terry.zoller@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4d-1

<p>*BMP Title: Procedure for Site Plan Review</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Preconstruction Meetings, Construction Coordination Meetings and WRE Site Visits• Target Audience: Mn/DOT Metro Construction, Contractors and Sub-contractors• Specific Information of Ordinances in place: Pre-construction meetings / weekly meetings are a standard within Mn/DOT Metro and are where site plans are reviewed. Site plans and construction plan sheets contain the erosion and sediment control information and are reviewed on a routine basis throughout the construction project.• Waste Control Guidelines: The collection and disposal of waste guidelines are based on the MPCA requirements and are written into the Special Provisions. These Special Provisions are created for all projects. If non-compliance occurs, monetary penalties are enforced on a per day basis.• System in place to receive/ respond to concerns of construction site non-compliance: Currently Mn/DOT Metro Construction Inspectors and Project Engineers, as well as some others within Mn/DOT Metro, receive and respond to concerns pertaining to erosion/ sediment control. Concerns and corrections are stored in WRE MS4 file on server.• Priority Areas of Inspection and Enforcement Activities Related to Construction Sites: Areas of inspection mainly focus on where potential erosion could occur and where erosion and sediment controls have been placed. Inspectors focus on BMP placement, maintenance and installation quality. If non-compliance occurs, monetary penalties are enforced on a per day basis. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Number of inspection correction sheets handed out by WRE inspector.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2008 Decision to change from previous practice.• 2009 Implementation - WRE inspections and sediment/erosion control support.
<p>Specific Components and Notes:</p> <p>Insure all District construction projects with one or more acres of soil impact, address erosion and sediment control according to this SWPPP.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Terry Zoller Department: Construction Phone: 651-234-7367 E-mail: terry.zoller@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4e-1

***BMP Title:** Establishment of Procedures for the Receipt and Consideration of Reports of Stormwater Noncompliance

***BMP Description:**

- **BMP Program Components:** Construction spreadsheet listing citizen concerns pertaining to erosion and/or sediment issues.
- **Target Audience:** Construction staff and others who receive citizen concerns
- **Specific Information of Local Ordinances in Place:** See 'Systems in place to receive/respond to concerns on construction site noncompliance' section below.
- **Waste Control Guidelines:** The collection and disposal of waste guidelines are based on the MPCA requirements and are written into the Special Provisions. These Special Provisions are created for all projects. If non-compliance occurs, monetary penalties are enforced on a per day basis.
- **System in place to receive/ respond to concerns of construction site non-compliance:** Currently Mn/DOT Metro Construction Resident Engineers, as well as some others within Mn/DOT Metro, receive and respond to concerns pertaining to erosion/ sediment control. These concerns are recorded and are reported yearly in the MS4 Annual Report.
- **Priority Areas of Inspection and Enforcement Activities Related to Construction Sites:** Areas of inspection mainly focus on where potential erosion could occur and where erosion and sediment controls have been placed. Inspectors focus on BMP placement, maintenance and installation quality. If non-compliance occurs, monetary penalties are enforced on a per day basis.

Location(s) in SWPPP of detailed information relating to this BMP:

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

***Measurable Goals:**

- **Number of complaints received and responded to.**

***Timeline/Implementation Schedule:**

- *Ongoing:* Continue current practices and update as needed.

Specific Components and Notes:

Insure all District construction projects with one or more acres of soil impact, address erosion and sediment control according to this SWPPP.

***Responsible Party for this BMP:**

Name: Terry Zoller

Department: Construction

Phone: 651-234-7367

E-mail: terry.zoller@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4f-1

<p>*BMP Title: Establishment of Procedures for Site Inspections and Enforcement</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: NPDES permit requirements and Contract Provisions• Target Audience: Construction Staff, Contractors and Sub-Contractors• Specific Information about in place Ordinance: Erosion Control Specialists are required per the NPDES permit to be at all applicable construction projects. They are to perform specific duties as required by the NPDES permit and there are financial consequences if neglected. These inspections are performed on a routine basis.• Waste Control Guidelines: Collection and disposal of waste requirements are based on the MPCA requirements and are written into Special Provisions. These Special Provisions are for all projects. If non-compliance occurs, monetary penalties are enforced on a per day basis.• System in place to receive/ respond to concerns of construction site non-compliance: Currently Mn/DOT Metro Resident Engineers, as well as some others within Mn/DOT Metro, receive and respond to concerns pertaining to erosion/ sediment control. These concerns are recorded and are reported yearly in the MS4 Annual Report.• Priority Areas of Inspection and Enforcement Activities Related to Construction Sites: Areas of inspection mainly focus on where potential erosion could occur and where erosion and sediment controls have been placed. Inspectors focus on BMP placement, maintenance and installation quality. If non-compliance occurs, monetary penalties are enforced on a per day basis. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Completion of site inspection reports.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i> Continue current practices and update as needed.
<p>Specific Components and Notes:</p> <p>Insure all District construction projects with one or more acres of soil impact, address erosion and sediment control according to this SWPPP.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Terry Zoller Department: Construction Phone: 651-234-7367 E-mail: terry.zoller@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Unique BMP Identification Number: 5a-1

***BMP Title:** Development and Implementation of Structural and/or Non-structural BMPs

***BMP Description:**

- **BMP Program Components:** Mn/DOT Metro Drainage Permitting Process and Mn/DOT Metro Storm Sewer Inspections.
- **Plans for Program Implementation:** Mn/DOT Metro currently requires New Development and Redevelopment projects which drain onto Mn/DOT right of way to obtain a drainage permit. Language will be written into the current permit application/letter which will require stormwater treatment, volume/rate control and post-construction maintenance. Preliminary notification of the new requirement for treatment, volume control and maintenance will be made in Planning during plat and site reviews.
- **Target Audience:** Water Resources, Planning, Permits, cities and adjacent landowners
- **Post-Construction BMPs already in-place:**
 - Mn/DOT Metro currently does routine inspections on all of its storm sewer system. Please see BMPs 6b-2 and 6b-3 for more information.
- **Future Plans of Stormwater Management:** Mn/DOT Metro would like to focus on stormwater treatment, volume control and BMP maintenance for properties discharging to our MS4. This will be done through requirements in the plat/site plan review and drainage permit application process.

Location(s) in SWPPP of detailed information relating to this BMP:

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

***Measurable Goals:**

- **Discussion within Water Resources, Planning, Permits and Area Groups has taken place to educate about new requirements.**
- **Language in-place in future plat and site plan review letters that notify cities and developers that rate control, volume control and treatment of stormwater runoff coming to Mn/DOT right of way will be required in order obtain a drainage permit. Maintenance requirement will also be included.**

***Timeline/Implementation Schedule:**

- *2006/2007:* Water Resources to begin working with Planning and Permits in creation of new requirements.
- *2007:* Begin implementation of updated permit requirements and permitting process with new requirements distributed in planning stage.
- *2008 (June 30):* Full implementation of updated permit requirements.
- *2008-2010:* Update permit requirements and process as needed.
- *Ongoing:* Continue with routine inspections on Mn/DOT right of way.

Specific Components and Notes:

Mn/DOT Metro will be working on creating partnerships with cities and watershed districts to aid in the enforcement of the above mentioned requirements.

***Responsible Party for this BMP:**

Name: Beth Neuendorf

Department: Water Resources

Phone: 651-234-7520

E-mail: beth.neuendorf@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Unique BMP Identification Number: 5b-1

***BMP Title:** Regulatory Mechanism to Address Post Construction Runoff from New Development and Redevelopment

***BMP Description:**

- **BMP Program Components:** Mn/DOT Metro Drainage Permitting Process and Mn/DOT Storm Sewer Inspections.
- **Plans for Program Implementation:** Mn/DOT Metro currently requires New Development and Redevelopment projects which drain onto Mn/DOT right of way to obtain a drainage permit. Language will be written into the current permit application/letter which will require stormwater treatment, volume/rate control and post-construction maintenance. Preliminary notification of the new requirement for treatment, volume control and maintenance will be made in Planning during plat and site reviews.
- **Target Audience:** Water Resources, Planning, Permits, cities and adjacent landowners
- **Post-Construction BMPs already in-place:**
 - Mn/DOT Metro currently does routine inspections on all of its storm sewer system. Please see BMPs 6b-2 and 6b-3 for more information.
- **Future Plans of Stormwater Management:** Mn/DOT Metro would like to focus on stormwater treatment, volume control and BMP maintenance for properties discharging to our MS4. This will be done through requirements in the plat/site plan review and drainage permit application process.

Location(s) in SWPPP of detailed information relating to this BMP:

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

***Measurable Goals:**

- **Discussion within Water Resources, Planning, Permits and Area Groups has taken place to educate about new requirements.**
- **Language in-place in future plat and site plan review letters that notify cities and developers that rate control, volume control and treatment of stormwater runoff coming to Mn/DOT right of way will be required in order obtain a drainage permit. Maintenance requirement will also be included.**

***Timeline/Implementation Schedule:**

- *2006/2007:* Water Resources to begin working with Planning and Permits in creation of new requirements.
- *2007:* Begin implementation of updated permit requirements and permitting process with new requirements distributed in planning stage.
- *2008 (June 30):* Full implementation of updated permit requirements.
- *2008-2010:* Update permit requirements and process as needed.
- *Ongoing:* Continue with routine inspections on Mn/DOT right of way.

Specific Components and Notes:

Mn/DOT Metro will be working on creating partnerships with cities and watershed districts to aid in the enforcement of the above mentioned requirements.

Mn/DOT Metro already complies and will continue to comply with the Construction General Permit, MNR100001, for post construction stormwater management on our right of way.

***Responsible Party for this BMP:**

Name: Beth Neuendorf

Department: Water Resources

Phone: 651-234-7520

E-mail: beth.neuendorf@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Unique BMP Identification Number: 5c-1

<p>*BMP Title: Long-term Operation and Maintenance of BMPs</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Mn/DOT Metro Drainage Permitting Process and Partnerships with Cities and Watershed Districts• Plans for Program Implementation: Mn/DOT Metro currently requires New Development and Redevelopment projects which drain onto Mn/DOT right of way to obtain a drainage permit. Language will be written into the current permit application/letter which will require stormwater treatment, volume/rate control and post-construction maintenance.• Target Audience: WRE, Planning, Permits, cities and adjacent landowners• Post-Construction BMPs already in-place:<ul style="list-style-type: none">○ Mn/DOT Metro currently does routine inspections on all of its storm sewer system. Please see BMPs 6b-2 and 6b-3 for more information.• Future Plans of Stormwater Management: BMP maintenance requirements with cities and watershed districts on properties adjacent to Mn/DOT right of way that drain to our MS4. <p>Location(s) in SWPPP of detailed information relating to this BMP:</p> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Adjacent landowners held responsible for installation and maintenance of their BMPs.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006/2007:</i> Water Resources to begin working with Planning and Permits in creation of new requirements.• <i>2007:</i> Begin implementation of updated permit requirements and permitting process• <i>2008 (June 30):</i> Full implementation of updated permit requirements.• <i>2008-2010:</i> Update permit requirements and process as needed.• <i>Ongoing:</i> Continue with routine inspections on Mn/DOT Metro right of way.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Beth Neuendorf Department: Water Resources Phone: 651-234-7520 E-mail: beth.neuendorf@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6a-1

<p>*BMP Title: Municipal Operations and Maintenance Program</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Mn/DOT Metro Maintenance MS4 Supervisor Training Program and the Facilities Stormwater Program• Target Audience: Mn/DOT Metro Maintenance Staff• Plans for Program Implementation: Mn/DOT Metro currently is training truck station supervisors on the importance of erosion control when land is disturbed. These training sessions are given once a year and consist of examples of good and bad practices, maps of environmentally sensitive areas, an erosion control handbook and contact information for when questions arise. Mn/DOT Metro has chosen to require a Facility Stormwater Program (FSWP) for all of its truck stations. Mn/DOT Metro also has mandatory training for all truck station staff as per the Facility Stormwater Program requirements and a FSWP handbook in which fleet operation procedures are discussed. A video which goes over the FSWP requirements is the primary method used for the mandatory training given at each truck station. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Maintenance staff has been properly trained.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i> Continue current training activities and implement new Illicit Discharge / Maintenance Activity training video. Training activities will be updated as needed during this time period.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Jim Michael Department: Maintenance Phone: 651-234-7906 E-mail: james.michael@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6a-2

<p>*BMP Title: Street Sweeping</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Street Sweeping Program• Target Audience: Mn/DOT Maintenance Staff• Plans for Program Implementation: Mn/DOT currently practices street sweeping activities. See 'Specific Components and Notes' for more information. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p>Perform street sweeping to remove salt, sand and debris from the roadways.</p>
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i><ul style="list-style-type: none">○ April - June: Perform street sweeping starting on inner highways and working to the outer edges of the Mn/DOT Metro District. Screen and perform tests on sweepings.
<p>Specific Components and Notes:</p> <ul style="list-style-type: none">• Frequency of street sweeping events: Street sweeping is performed once a year during the months of April, May and June.• Type of Street Sweeping Equipment Used: Brush type machine is used.• Target Areas of increased Street Sweeping: If there is a large amount of sand/gravel concentrated in one area, it will be swept more than once.• Overview of Street Sweeping Waste Management Plan: The mechanical brush sweeps the street sweepings into a hopper which puts the sweepings into a dump truck. The street sweepings collected are stored at five truck stations within the Metro District. At these truck stations, the sweepings are screened and tested for contaminants. Sweepings which pass the required tests are then used as fill for construction projects within Mn/DOT right of way. Sweepings which do not pass the required tests are then disposed of in appropriate landfill sites.
<p>*Responsible Party for this BMP:</p> <p>Name: Mark Fischbach Department: Maintenance Phone: 651-234-7907 E-mail: mark.fischbach@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6a-3

<p>*BMP Title: Anti-Icing / De-Icing</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Anti-Icing / De-Icing Program• Target Audience: Mn/DOT Maintenance Staff• Plans for Program Implementation: Mn/DOT currently practices anti-icing and de-icing activities <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Analyze current and available measures, equipment and/or chemicals.• Substitute low impact measure for high impact measures where appropriate.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i><ul style="list-style-type: none">○ Analyze current and available measures, equipment and/or chemicals.○ Substitute low impact measure for high impact measures where appropriate.○ Continue with current practices.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Mark Fischbach Department: Maintenance Phone: 651-234-7907 E-mail: mark.fischbach@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6a-4

<p>*BMP Title: Vegetation Management Program</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Vegetation Management Program• Target Audience: Mn/DOT Maintenance Staff• Plans for Program Implementation: Mn/DOT Metro currently and will continue to integrate methods of vegetation management including mechanical, cultural, chemical and biological methods to achieve a sustainable roadside vegetative cover that provides safety plus environmental and visual quality. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• To minimize Mn/DOT Metro's use of pesticides, herbicides and fertilizers and to properly apply these products when used, as well as incorporate native vegetation and biological agents along roadside shoulders and medians for ease of maintenance and soil stabilization.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i> Minimize Mn/DOT Metro's use of pesticides, herbicides and fertilizers and to properly apply these products when used, as well as incorporate native vegetation and biological agents along roadside shoulders and medians for ease of maintenance and soil stabilization.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Dewayne Jones Department: Maintenance Phone: 651-234-7944 E-mail: dewayne.jones@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-2

<p>*BMP Title: Annual Inspection of All Structural Pollution Control Devices</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Water Resources Inventory and Inspection Process• Target Audience: Mn/DOT Metro Water Resources Staff• Plans for Program Implementation: Each year a schedule will be created to inspect all identified SPCD's. After all inspection data has been collected, the data will be reviewed and maintenance needs will be determined. The inspection schedule will be modified each year as new SPCD's are identified. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Develop inspection criteria and inspection/inventory forms for SPCD's.• Develop procedures for prioritizing, tracking and reporting repair, replacement and maintenance of SPCD's.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006:</i> Develop inspection criteria and inspection/inventory forms for SPCD's• <i>2007:</i> Develop procedures for prioritizing, tracking and reporting repair, replacement and maintenance of SPCD's (including gathering data from others who maintain Mn/DOT Metro SPCD's under an agreement).• <i>Ongoing:</i> Coordinate SPCD field inspection schedules.
<p>Specific Components and Notes:</p> <p>Mn/DOT Metro Maintenance currently maintains some SPCD's on a yearly basis as do other cities per maintenance agreements.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-3

***BMP Title:** Inspection of a Minimum of 20 percent of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis

***BMP Description:**

- **BMP Program Components:** Water Resources Inventory and Inspection Program
- **Target Audience:** Mn/DOT Metro Water Resources and Maintenance Staff
- **Plans for Program Implementation:** Mn/DOT Metro Water Resources currently inspects all of its storm sewer system on a rotating basis through field inspection/inventory and video inspections. Each year a schedule will be created to capture inspections on 20% of all known outfalls, sediment basins and ponds. After all inspection data has been collected, the data will be reviewed and maintenance needs will be determined. The inspection schedule will be modified each year as new outfalls, ponds and sediment basins are identified.

Location(s) in SWPPP of detailed information relating to this BMP:

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

***Measurable Goals:**

- 20% of all known sediment basins, ponds and outfalls were inspected annually.
- A procedure for prioritizing, tracking and reporting repair, replacement and maintenance of sediment basins, ponds and outfalls to be created by 2007.
- All inspection videos have been placed on server by 2008.

***Timeline/Implementation Schedule:**

- *2006:* Develop inspection criteria and inventory/inspection forms for sediment basins, ponds and outfalls
- *2007:* Develop procedures for prioritizing, tracking and reporting repair, replacement and maintenance of sediment basins, ponds and outfalls.
- *2008:* Place all inspection videos onto server
- *Ongoing:* Coordinate field inspection schedules.

Specific Components and Notes:

***Responsible Party for this BMP:**

Name: Barb Loida

Department: Water Resources

Phone: 651-234-7539

E-mail: barbara.loida@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-4

<p>*BMP Title: Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Mn/DOT Metro Maintenance Facilities Stormwater Program• Target Audience: Mn/DOT Metro Maintenance Staff• Plans for Program Implementation: Currently Mn/DOT Metro truck stations have a Facility Stormwater Plan (FSWP). In addition all remote storage areas (those areas used for storage outside of truck stations) have been mapped. Truck stations are required to inspect annually their storm sewer system, storage areas and material handling areas. Truck stations and remote storage areas are both required to have exposed stockpiles inspected annually and identify/install any additional BMPs to manage stockpiles. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• All exposed stockpiles, storage and materials handling areas are inspected annually.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006:</i> Creation of updated inspection forms• <i>2007:</i> Implement updated inspection forms• <i>Ongoing:</i> Continue annual inspection at Mn/DOT Metro facilities
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Jim Michael Department: Maintenance Phone: 651-234-9706 E-mail: james.michael@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-5

***BMP Title:** Inspection Follow-up Including the Determination of Whether Repair, Replacement, or Maintenance Measures are Necessary and the Implementation of the Corrective Measures

***BMP Description:**

- **BMP Program Components:** Water Resources Inspection and Inventory Program
- **Target Audience:** Mn/DOT Metro Water Resources and Maintenance Staff
- **Plans for Program Implementaion:**
 - *Cleaning Process:* Currently Water Resources reviews the inspection data from the previous year and creates a schedule for all storm sewer structures, pipes, aprons and ponds which need cleaning. This list is then given to Maintenance, which will start scheduling the cleaning projects according to their pre-determined priority. Most cleaning projects and repairs will take place the year after they were inspected due to the time it takes for data collection, transfer and review.
 - *Repairs and Replacement Process:* Repairs and replacement of storm sewer devices will be programmed into construction projects or performed by Maintenance. Metro Water Resources has created a priority list and map of project areas which have a high number of poor to failing structures, pipes and aprons based on our inpection and inventory records. These project areas are being programmed based on available funding each fiscal year. This list will be added to each year as new inspections/inventories are completed.

Location(s) in SWPPP of detailed information relating to this BMP:

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

***Measurable Goals:**

- **Appropriate cleaning and repairs/replacements are being performed.**

***Timeline/Implementation Schedule:**

- *Ongoing:* Continue current practices

Specific Components and Notes:

All completed cleaning projects and repair/replacement projects will be documented in the annual report.

***Responsible Party for this BMP:**

Name: Barb Loida

Department: Water Resources

Phone: 651-234-7539

E-mail: barbara.loida@state.mn.us

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-6

<p>*BMP Title: Record Reporting and Retention of All Inspections and Responses to the Inspections</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Water Resources Inventory and Inspection Programs; Maintenance Inventory Program• Target Audience: Mn/DOT Metro Water Resources and Maintenance Staff• Plans for Program Implementation: Mn/DOT Metro Water Resources and Maintenance currently have databases in which all inspection and inventory information is kept. This information is queried as needed to report each year's activities for inclusion into the annual report. All inventory and inspection information contain GPS coordinates, date of activity, type of activity (cleaning, repair, discovery, replacements, etc.) and other pertinent information. Also, all videos created for inspection/inventory purposes are housed in a server which can be accessed by internal employees. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Inspection/inventory data, repair/cleaning data and videos are kept track of.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>Ongoing:</i> Continue current practices
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loid@state.mn.us</p>

BMP Summary Sheet

MS4 Name: Mn/DOT Metro

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-7

<p>*BMP Title: Evaluation of Inspection Frequency</p>
<p>*BMP Description:</p> <ul style="list-style-type: none">• BMP Program Components: Water Resources Inventory and Inspection Program• Target Audience: Mn/DOT Metro Water Resources and Maintenance Staff• Plans for Program Implementation:<ul style="list-style-type: none">○ <i>Cleaning Projects:</i> Water Resources is currently in the first year of reinspecting the cleaning projects done by Maintenance. After the second year of reinspections, the frequency will be determined.○ <i>New Construction:</i> New construction projects will be inspected once a year for two years after completion. The inspection frequency will then be determined after the first two years of inspections. <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Maintenance is performed as needed.
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• <i>2006:</i> Continue with current practices• <i>2007:</i> Determine inspection frequency for new and existing features as determined by the first two years of inspections.• <i>Ongoing:</i> Continue practices established.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Barb Loida Department: Water Resources Phone: 651-234-7539 E-mail: barbara.loida@state.mn.us</p>

Record Keeping Narrative

On an annual basis, Mn/DOT Metro will evaluate program compliance including the appropriateness of Metro's identified BMPs and progress towards achieving the identified Measurable Goals. In every Annual Report Mn/DOT Metro will summarize its status of compliance with Permit conditions and plans for stormwater activities during the next reporting cycle, as well as proposing any necessary changes to BMPs or Measurable Goals.

Records related to obtaining the NPDES permit, including copies of the permit application and annual reports, will be retained for a period of at least three (3) years beyond the date of Permit expiration which is May 31, 2011. Records relating to the NPDES permit, including the SWPPP, will be made available to the public and MPCA Commissioner upon request.

Discharges to TMDL Waters Narrative

Mn/DOT and the MPCA entered into a Memorandum of Understanding (MOU) regarding MS4 WLAs and TMDLs in February 2011. A copy of the MOU is attached and can be found starting on the next page. Mn/DOT Metro expects the MPCA to involve Mn/DOT Metro in the TMDL determination processes that concern our MS4. Once the USEPA has approved the TMDL, and if our MS4 has been involved, Mn/DOT Metro will assess the adequacy of our SWPPP to address the TMDL and update our SWPPP, if necessary as provided by the MOU. Mn/DOT Metro will review the USEPA approved TMDL's and assess our SWPPP on a yearly basis at the same time as our annual report.

**Memorandum of Understanding
between the
Minnesota Pollution Control Agency
and the
Minnesota Department of Transportation
Regarding MS4 WLAs and TMDLs**

February 2011

1. BACKGROUND AND INTRODUCTION

This Memorandum of Understanding (MOU) is between the Commissioner of the Minnesota Pollution Control Agency (MPCA) and the Commissioner of the Minnesota Department of Transportation (*Mn/DOT*). .

The MPCA, in partnership with other Agencies and the citizens of the state, protects surface and ground waters. The MPCA enforces federal and state requirements for storm water management to minimize damage to the water resources of the state. The MPCA has promulgated rules for storm water and issues National Pollutant Discharge Elimination System (NPDES) Permits pursuant to the Clean Water Act and Minn. Stat. ch. 115,116, Minn: R. 7000 and Minn. R. 7001.

As of September, 2010, Mn/DOT has or will receive wasteload allocations (WLAs) in 30 separate total maximum daily load (TMDL) reports. These reports may contain multiple WLAs. As of September, 2010, there were approximately 200 additional impaired waters for which Mn/DOT may receive one or more WLA. The Municipal Separate Storm Sewer System (MS4) NPDES general permit requires Mn/DOT to demonstrate progress toward meeting TMDL WLAs. This creates a significant reporting burden on Mn/DOT. The purpose of this section of the MOU is to provide relief from a high volume of general reporting requirements and allow Mn/DOT to focus resources on developing and implementing BMPs where they will have the most impact. .

2. TERM OF MOU AND CANCELATION

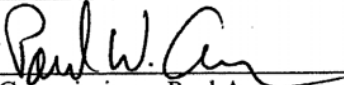
This is effective upon execution by the Agencies, and will remain in effect until canceled by either Agency. Thirty days notice shall be given by the Agency wishing to cancel this agreement.

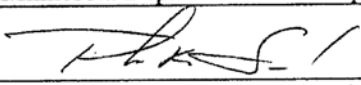
3. AMENDMENTS

Any amendments or modifications to this MOU must be in writing and will not be effective until executed by the Agencies.

4. ENTIRE AGREEMENT

This MOU and the attached appendix contain the entire agreement between the Agencies.

Minnesota Pollution Control Agency:

Commissioner Paul Aasen
Date: 5/27/11

Minnesota Department of Transportation:

Commissioner Thomas K. Sorel
Date: 4/28/11

The attached Appendix A addresses several areas of agreement listed by topic. Additional issues may be amended onto this agreement as they are completed and approved by the Agencies.

Appendix A Contents:

PART 1. Reporting Requirements

PART II. Coordination Requirements

PART III. Applicability of MOU

Appendix B Contents

Contact Information

Appendix A

PART I. Reporting Requirements

For sediment and sediment-related pollutants, there are two primary categories of Best Management Practices (BMPs) that *Mn/DOT* must implement. The first is maintenance of existing BMPs such as ponds and slopes or energy dissipation practices on existing right of way (ROW). The second is related to construction project activities. *Mn/DOT* must comply with the construction stormwater NPDES general permit which contains specific requirements for construction projects that discharge to an impaired water. Typically, compliance with the construction stormwater NPDES general permit results in significant reductions in pollutant loading whether with new construction or retrofitting as part of a highway expansion.

As a matter of practicality, Mn/DOT will not be required to report on TMDL WLAs unless one or more of the following conditions apply.

1. A U.S. EPA-approved TMDL report explicitly lists BMPs that Mn/DOT must implement. The report must explicitly associate specific BMPs with *Mn/DOT's* MS4 permit number.
2. Mn/DOT-owned property within an urbanized area, as defined by the U.S. Census Bureau, comprises 7.5 percent or more of the watershed area specified in the TMDL report and the TMDL WLA specifies a reduction in pollutant loading specifically for Mn/DOT of 50 percent or greater for phosphorus or 80 percent or greater for sediment. The reduction is from a baseline defined in the TMDL report.
3. Mn/DOT-owned right-of-way within an urbanized area, as defined by the U.S. Census Bureau, comprises 7.5 percent or more of the watershed area specified in the TMDL report and the TMDL WLA specifies a reduction in pollutant loading specifically for *Mn/DOT* and requirements for re-development in the impaired watershed do not exist for permanent stormwater treatment. The reduction is from a baseline defined in the TMDL report. Requirements may include a variety of regulations that provide reasonable assurance that progress will be made toward the WLA. For purposes of this item, requirements include but are not restricted to local watershed rules, local city rules, and stormwater permits.
4. The Mn/DOT WLA is for chloride or bacteria, or the impairment is for temperature.
5. Mn/DOT compliance with the permanent treatment requirements of the NPDES construction stormwater general permit for the four parameters in the construction permit, for a project that drains to and is within one mile of the TMDL area cannot be met.

PART II. Coordination Requirements

In addition to the above requirements, the following conditions apply for TMDLs in which Mn/DOT will receive a WLA.

1. When information on *Mn/DOT* right-of-way length and width are needed to set WLAs for Mn/DOT, the MPCA will request this information from *Mn/DOT* at least 60 days prior to the date needed to do the calculation of any allocations in the TMDL. Mn/DOT agrees to provide the data requested within that timeframe. Where a WLA is provided or anticipated for Mn/DOT, Mn/DOT's right-of-way information will be included in the TMDL report.
2. The MPCA will ensure that TMDL reports for impaired waters outside or adjacent to an urbanized area, as defined by the U.S. Census Bureau, will contain language on transfer of WLA and LA, if applicable among MS4s. ,
3. The MPCA will notify Mn/DOT early on in the TMDL process.
4. Individual WLA's will be provided for Mn/DOT. Exceptions to this need to be discussed with Mn/DOT.
5. Mn/DOT's roadways and route numbers will be shown on those TMDL Study figures that show the encompassing watershed area of the TMDL.
6. Mn/DOT may generate tradable or offset credits under the following conditions:
 - Mn/DOT demonstrates that the overall pollutant reduction exceeds the required reduction; and
 - all reductions are part of the WLA(s); and
 - the credit is generated and applied within the same impaired watershed (TMDL study area); and
 - the TMDL defines trade and offset ratios for the credits or
 - trade and offset ratios are established by another mechanism and approved by the Minnesota Pollution Control Agency.

PART III. Applicability of MOU

The conditions of this MOD apply retroactively to all TMDLs approved by the U.S. EPA prior to cessation of this MOU.

The language in this MOU regarding reporting requirements for TMDLs will be modified, if appropriate, on the same 5 year cycle that the MS4 NPDES General Permit is updated. This is intended to give the Mn/DOT and the MPCA time to see how this agreement is working.

Appendix B

Contact Information

Nicklas Tiedeken
Hydrologist 3
Minnesota Department of Transportation
Office of Environmental Stewardship
395 John Ireland Blvd.
Mail Stop 620
St. Paul, MN 55155-1899
651-366-3628
Fax: 631~366-3603
nick.tiedeken@state.mn.us

Dale B. Thompson (or successor)
Supervisor, Municipal Stormwater Unit
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194
651-757-2776
Fax: 651-297-8683
dale.thompson@state.mn.us

Dan Sullivan
Liaison - Minnesota Department of Transportation/Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194
651-757-2768
Fax: 651-297-8683
dan.sullivan@state.mn.us

TMDL studies that have been completed and approved by EPA that involve our MS4 are listed below as required.

August 2008 TMDL SWPPP Amendment

1. Shingle Creek (Hennepin County) Stream Number: MN07010206-506
EPA Approval Date: 2/14/07 Impairment: **Chloride**
WLA: Gross WLA % reduction

Background:

Portions of I-94, TH 169 and TH 100 drain to the Shingle Creek watershed. Mn/DOT Metro has 13% of the total chloride load in the watershed. The stakeholders in the TMDL study (cities, county, Mn/DOT and watershed) agreed to collectively work together to reduce chloride in the watershed to the MEP (maximum extent practicable) understanding that each stakeholder is working under unique financial, public safety and perception, and feasibility limitations. Mn/DOT Metro has and will continue to work in the following areas to reduce salt usage and chloride runoff:

BMP Methods:

- Improve salt storage/handling. The Maple Grove Truck Station has a covered salt storage area. The handling area is not covered. Mn/DOT is seeking funds to replace the existing truck station. Sites being considered for the new truck station are outside the Shingle Creek watershed. The truck station is expected to be replaced within 5 to 10 years.
- Operator training. Annual training on operation of equipment and the effects of chloride on water bodies is conducted.
- Examine alternative products and support research. Mn/DOT has a screening process in place for alternative anti-icing and de-icing chemicals. Mn/DOT continues to support and lead research in the area of anti-icing and de-icing.
- Improve salt application equipment. Mn/DOT has made a large investment in ensuring plows are equipped with pre-wetting equipment. Pre-wetting salt before it hits the pavement activates the salt so less salt is required. Approximately, 61% of the trucks in the Shingle Creek Watershed have been equipped with pre-wetting equipment. In addition, Mn/DOT has invested in the RWIS system so that weather and road environmental conditions can be monitored to determine salt application rates.

SWPPP BMPs: 1b-1 Implement an Education Program, 6a-1 Municipal Operations and Maintenance Program, 6a-2 Street Sweeping, 6a-3 Anti-Icing/De-Icing, and 6b-4 Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas

Timeline:

- Relocate Maple Grove Truck Station Facility – as funds allow, proposed 5 to 10 years.
- Annual operator training - continuous.
- Examine alternative products and support research - ongoing.
- Continual use of RWIS (Road Weather Information Systems)
- Apply anti-icing products on bridges within the Shingle Creek Watershed as needed.
- All new trucks are equipped with controller that records and controls rate of salt applied.
- All trucks in the Shingle Creek Watershed equipped with prewetting devices within 5 years.
- Sweep Mn/DOT roadways once per year in the spring.

2. Lake Independence (Hennepin County) Lake Number: MN27-0176-00

EPA Approval Date: 2/23/07 Impairment: **Nutrient** (phosphorus)

WLA: deminimus

Mn/DOT Metro was listed as a deminimus in regards to phosphorus. As future improvements are made to TH 55 that add additional pavement, the watershed requirements will be incorporated into the projects.

**3. Twin/Ryan Lakes (Hennepin County) Lake Number:
MN27-0042-002 (Middle Twin)
MN27-0042-003 (South Twin)
MN27-0058-00 (Ryan Lake)**

EPA Approval Date: 11/9/07 Impairment: **Nutrient** (phosphorus)

WLA: Gross WLA

Background:

Mn/DOT Metro was included in a gross WLA for Middle Twin Lake (MN27-0042-002), South Twin Lake (MN27-0042-003) and Ryan Lake (MN27-0058-00).

BMP Methods:

Improvements were made to the drainage system during the 2000-2003 TH 100 reconstruction projects. Seven stormwater ponds were added where none previously existed. The majority of water coming into these ponds is from surrounding cities. This water was not treated in the past and is now also treated in the Mn/DOT stormwater ponds. Ponds constructed under SP 2735-159 and SP 2755-75 include: 45th Ave. Pond, Graeser Park Pond, Scott Ave. Pond, Boat Ramp Pond, Frontage Road Pond, North Beach Condo Pond and South Beach Condo Pond.

All of the stormwater from TH 100 first passes through a pond or series of ponds and a wetland before discharging to Middle Twin Lake. Only a small amount of runoff from TH 100 discharges to South Twin Lake and it first passes through Boat Ramp Pond before it is discharged to South Twin Lake. Mn/DOT has no direct discharges to Ryan Lake. The stormwater ponds that were added will remove nutrients as well as provide rate control for discharges into these lakes.

Mn/DOT has maintenance agreements with the City of Robbinsdale for five of the ponds. Mn/DOT will continue to inspect the ponds as required by our MS4 permit and ensure that the ponds are adequately maintained by the responsible parties.

SWPPP BMPs: 1b-1 Implement an Education Program, 1c-3 Illicit Discharge Detection and Elimination, 1c-6 Pollution Prevention/Good Housekeeping for Municipal Operations, 3d-1 Public and Employee Illicit Discharge Information Program, 6a-1 Municipal Operations and Maintenance Program, 6a-2 Street Sweeping, 6b-3 Inspection of a Minimum of 20% of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis.

Timeline:

- Structural BMPs Implemented in 2000-2003.
- Ongoing inspection and maintenance per permit schedule and our SWPPP BMP schedule.
- Sweep Mn/DOT roadways once per year in the spring.

June 2010 TMDL SWPPP Amendment

**1. Lower Vermillion River Watershed
(Dakota and Scott County)**

**Stream Number:
MN07040001-504**

EPA Approval Date: 9/29/09

Impairment: Turbidity

WLA: See background below.

Background:

Mn/DOT Metro was included in the WLA for the Lower Vermillion River Watershed (MN0704001-504). The WLAs for Mn/DOT, as well as Dakota and Scott Counties, were included in the respective municipality's WLA that contain the roadways. Loads from roadways are stated as being small, less than 1% of the total load for the MS4. The TMDL study concluded that load reductions in the upper reaches of the river were not needed for the lower reaches and that future loads should remain equal or less than current levels. In addition, construction stormwater was also considered to be less than 1% of the WLA. The report also concluded that compliance with the Construction General NPDES Permit and installation of appropriate BMPs would be considered compliance with this TMDL. The main focus of this TMDL is agriculture sources within the lower reaches.

BMP Methods:

Mn/DOT will continue to obtain and comply with all provisions of the Construction NPDES General Permit for all projects for all projects that disturb 1 or more acres.

SWPPP BMPs: 1c-4 Education Program Construction Site Run-Off Controls, 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.

Timeline:

- Ongoing.

**2. Hardwood Creek (Washington County)
Reach: TH 61 to Peltier Lake**

**Stream Number:
MN07010206-596**

EPA Approval Date: 6/18/09

Impairment: Fish Biota (and Low Dissolved Oxygen)

WLA: Gross WLA of 4% for TSS and 6% BOD varies by flow

Background:

Mn/DOT Metro was included in the gross WLA for Hardwood Creek (MN07010206-596). The report concludes construction activities are a minor source of pollutants. It states that compliance with the Construction NPDES permit and installation of appropriate BMPs would be considered compliance with this TMDL.

BMP Methods:

Mn/DOT will continue to obtain and comply with provisions of the Construction NPDES Permit for all projects that disturb 1 or more acres.

SWPPP BMPs: 1c-4 Education Program Construction Site Run-Off Controls, 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.

Timeline:

- Ongoing.

3. Bass Lake (Hennepin County)

**Lake Number:
MN27-0098-00**

EPA Approval Date: 9/25/09

Impairment: Nutrients (phosphorus)
WLA: Gross WLA

Background:

Mn/DOT Metro was included in the gross WLA for Bass Lake (MN27-0098-00).

BMP Methods:

I-494 in this area is rural design. Stormwater is being treated in the ditch swales prior to reaching Bass Creek or other drainage paths to Bass Lake. Mn/DOT will continue to obtain and comply with provisions of the Construction NPDES Permit for all projects that disturb 1 or more acres.

SWPPP BMPs: 1c-4 Education Program Construction Site Run-Off Controls, 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.

Timeline:

- Ongoing.

4. Golden Lake (Anoka County)

**Lake Number:
MN02-0045-00**

EPA Approval Date: 9/30/09

Impairment: Nutrients (phosphorus)
WLA: 0.007 lbs/day

Background:

Mn/DOT Metro was given a WLA for Golden Lake (MN27-0045-00) of 0.007 lbs/day. There is not a direct discharge to Golden Lake from I-35W.

BMP Methods:

I-35W in this area is rural design. Stormwater is being treated in the ditch swales prior to reaching drainage paths to Golden Lake. Mn/DOT will continue to obtain and comply with provisions of the Construction NPDES Permit for all projects that disturb 1 or more acres.

SWPPP BMPs: 1c-4 Education Program Construction Site Run-Off Controls, 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.

Timeline:

- Ongoing.

June 2011 TMDL SWPPP Amendment

1. Cedar Island Lake (Hennepin County)

**Lake Number:
MN27-0119-00**

EPA Approval Date: 5/18/10

Impairment: Nutrients (phosphorus)

Gross WLA: 0.133 kgs/day

Background:

Mn/DOT Metro was included in a gross WLA for Cedar Island Lake (MN27-0119-00) of 0.133 kgs/day.

BMP Methods:

I 494 is treated in ditches prior to discharge to the lake. The portion of the I 94 drainage that does not pass through Meadowbrook Lake is treated in a pond and 2 wetland mitigation sites constructed in 2002 with the reconstruction of I 94 prior to discharging into Cedar Island Lake.

Mn/DOT will continue to obtain and comply with provisions of the Construction NPDES Permit for all projects that disturb 1 or more acres.

SWPPP BMPs: 1c-4 Education Program Construction Site Run-Off Controls, 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.

Timeline:

- Ongoing.

2. Pike Lake (Hennepin County)

**Lake Number:
MN27-0111-00**

EPA Approval Date: 5/18/10

Impairment: Nutrients (phosphorus)

Gross WLA: 0.810 kgs/day

Background:

Mn/DOT Metro was included in a gross WLA for Pike Lake (MN27-0111-00) of 0.810 kgs/day.

BMP Methods:

Pike Lake only receives drainage from I 94. This drainage area is treated in a stormwater pond and a wetland mitigation site that were constructed in 2002 with the reconstruction of I 94. TH 169 does not drain to Eagle Lake.

Mn/DOT will continue to obtain and comply with provisions of the Construction NPDES Permit for all projects that disturb 1 or more acres.

SWPPP BMPs: 1c-4 Education Program Construction Site Run-Off Controls, 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.

Timeline:

- Ongoing.

3. Magda Lake (Hennepin County)

**Lake Number:
MN27-0065-00**

EPA Approval Date: 9/30/10

Impairment: Nutrients (phosphorus)
Gross WLA: 0.029 kgs/day

Background:

Mn/DOT Metro was included in a gross WLA for Magda Lake (MN27-0119-00) of 0.029 kgs/day.

BMP Methods:

A small portion of TH 169 does discharge into Madga Lake. The drainage on the west side is treated in the ditch prior to discharge into the lake.

Mn/DOT will continue to obtain and comply with provisions of the Construction NPDES Permit for all projects that disturb 1 or more acres.

SWPPP BMPs: 1c-4 Education Program Construction Site Run-Off Controls, 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.

Timeline:

- Ongoing.

Discharges to Waters with Prohibited Discharges Narrative

Mn/DOT Metro District has reviewed those waters classified as prohibited and examined its stormwater discharges in relationship to these waters. A list and map of those waters that receive and another of those that do not receive discharges from our stormwater system has been developed. In addition, on the map where Mn/DOT Metro District does discharge to waters classified as prohibited, we have overlaid major Mn/DOT construction projects from 1986 to 2010 we believe have stormwater discharges to these waters. Our final assessment of any project impacts on the receiving waters will be included in our 2006 annual report, as required by the permit.

Mn/DOT Metro District will also continue to work through our environmental review processes and work with our Water Resources and Design groups to reasonably modify or eliminate new or expanded discharges to waters classified as prohibited. We will be focusing our efforts on the 2000 census urbanized area first.

Discharges to Waters with Restricted Discharges Narrative

Mn/DOT Metro District has reviewed those waters classified as restricted and examined its stormwater discharges in relationship to these waters. A list and map of those waters that receive and another of those that do not receive discharges from our stormwater system has been developed. In addition, on the map where Mn/DOT Metro District does discharge to waters classified as restricted, we have overlaid major Mn/DOT construction projects from 1986 to 2010 we believe have stormwater discharges to these waters. Our final assessment of any project impacts on the receiving waters will be included in our 2006 annual report, as required by the permit.

Mn/DOT Metro District will also continue to work through our environmental review processes and work with our Water Resources and Design groups to reasonably modify or eliminate new or expanded discharges to waters classified as restricted. We will be focusing our efforts on the 2000 census urbanized area first.

Discharges Adversely Impacting Trout Waters Narrative

Mn/DOT Metro District has reviewed those waters classified as trout waters. No new or expanded discharges are planned to these waters between now and 2010. If circumstances change, Mn/DOT Metro District will work through its environmental review processes and with its Water Resources and Design groups to see if there are feasible and prudent alternatives to new or expanded discharges to trout waters. If no feasible or prudent alternatives are found, Mn/DOT Metro District will consider measures that would protect trout water quality and temperature increases. We will be focusing our efforts on the 2000 census urbanized area first.

Discharges to Wetlands Narrative

Mn/DOT follows federal procedures and obtains authorizations for discharges to wetlands (CWA Section 404 and 401, Presidential Executive Order 11990). Mn/DOT also follows state procedures and obtains authorizations for discharges to wetlands. These include DNR Public Waters (MS 103G, MR 6115), Minnesota Wetland Conservation Act (MS 103G, MR 8420), MPCA (MR 7050), and Governors Executive Order on Wetlands (00-02). Mn/DOT is the WCA Local Government Unit (LGU).

Discharges Requiring Environmental Review Narrative

The Metro District Project Documentation Unit uses the Highway Project Development Process (HPDP) Website guidance when deciding if environmental documentation is needed for a project. The Minnesota Department of Transportation follows federal environmental review procedures required by the National Environmental Policy Act (NEPA) and as further specified by the implementing rules of the Federal Highway Administration (FHWA) at 23 CFR 771. Mn/DOT also follows state environmental review procedures required by the Minnesota Environmental Policy Act (MEPA) and as further specified by the Environmental Quality Board in Minnesota Rules 4410. Mn/DOT is generally the MEPA Responsible Government Unit (RGU).

Discharges Affecting Threatened or Endangered Species Narrative

The Minnesota Department of Transportation has worked extensively with Federal and State resource agencies (U.S. Fish and Wildlife Service, Minnesota Department of Natural Resources) to establish protocols to ensure that all proposed actions comply with the appropriate laws, statutes and rules in regards to species and habitat under protection of the Federal and State government.

The Metro District Project Documentation Unit uses the Highway Project Development Process (HPDP) Website guidance when deciding if environmental documentation is needed for a project. Mn/DOT follows the environmental review procedures of the Federal Highway Administration (FHWA), the National Environmental Policy Act (NEPA) and the Minnesota Environmental Policy Act (MEPA). Mn/DOT generally is the MEPA responsible government unit (RGU).

Discharges Affecting Historic or Archeological Sites Narrative

State and federal statutes and regulations require reviews for the preservation of historic and archaeological properties that ensure consideration of impacts to cultural resources in the decision-making process for highways. Review of individual projects by the Mn/DOT Cultural Resources Unit (CRU) ensures that early coordination with state and federal agencies will occur, and that project alternatives will be evaluated to avoid, minimize and mitigate impacts to cultural resources.

The source of funding for a given project is important in determining the scope of the historical, archeological and cultural resources review completed by the Mn/DOT CRU. Federal funding and federal permits prompt a Section 106 review, of the National Historic Preservation Act, by the Mn/DOT CRU. If the project does not use any federal funds, the Mn/DOT CRU conducts a cultural resources review under state regulations.

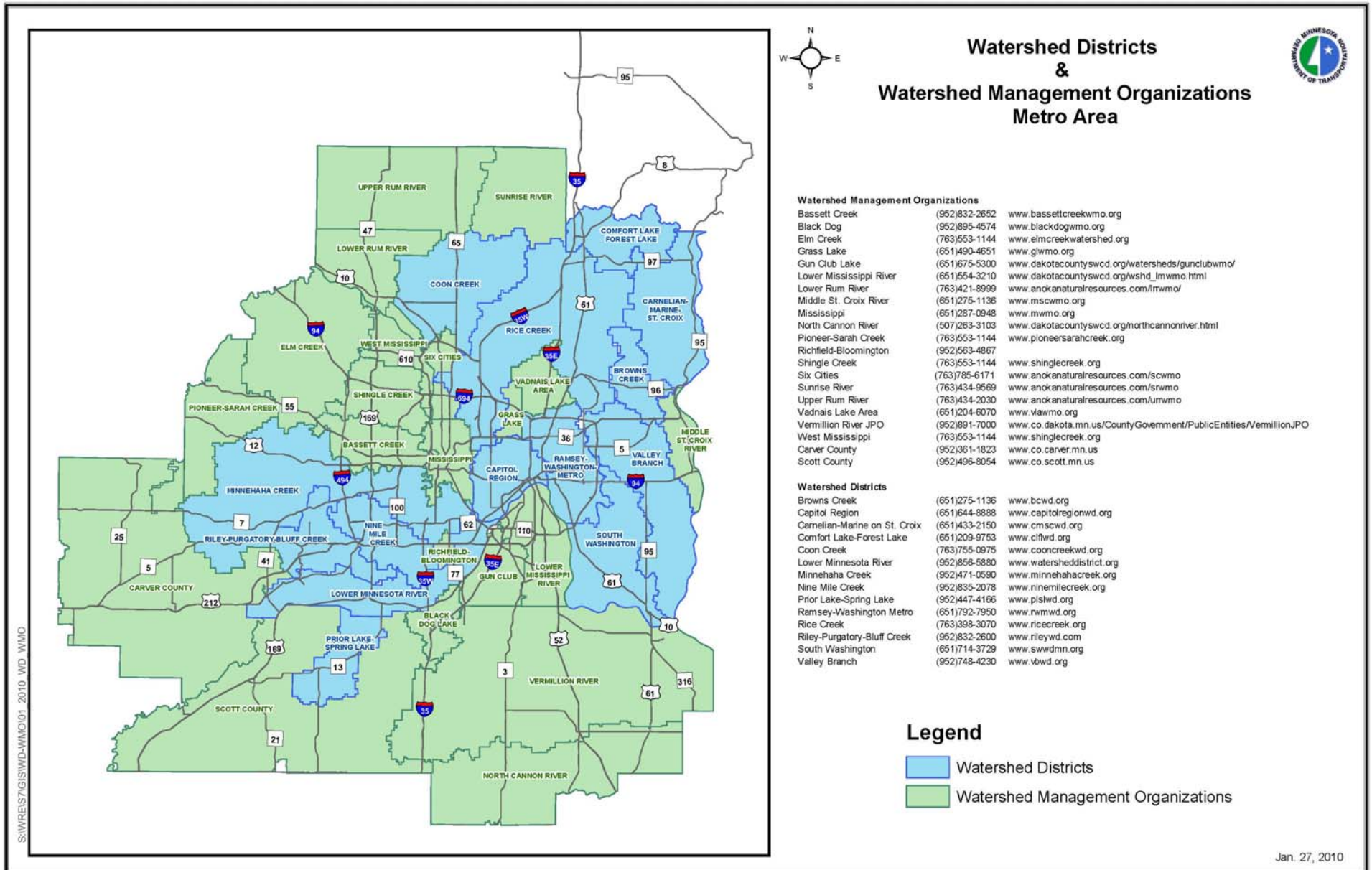
Discharges Affecting Source Water Protection Areas Narrative/BMP

For new construction projects that add one or more acres of impervious surface, include potential ponds and are within a vulnerable drinking water supply area, Mn/DOT Metro will work with the Department of Health and the city in which the project is in to determine whether or not to infiltrate and whether or not to line our proposed stormwater ponds. Our current practices for Construction Site Stormwater runoff controls documented in Section 4 of this SWPPP will also assist us during construction. The Drinking Water Supply Management Areas Map is attached (Figure 3 depicts the 2006 vulnerable drinking water supply areas within Mn/DOT Metro).

Our MS4 stormwater inventory will help us track and respond to accidental spills that may occur on Mn/DOT Metro roadways when they occur by members of the traveling public. Mn/DOT Metro also has a standard process for reporting and responding to spills. These processes are documented in Section 3 of this SWPPP.

Figures

Figure 1: Watershed Map



Watershed Districts & Watershed Management Organizations Metro Area



Watershed Management Organizations

Bassett Creek	(952)832-2652	www.bassettcreekwmo.org
Black Dog	(952)895-4574	www.blackdogwmo.org
Elm Creek	(763)553-1144	www.elmcreekwatershed.org
Grass Lake	(651)490-4651	www.glwmo.org
Gun Club Lake	(651)675-5300	www.dakotacountyswcd.org/watersheds/gunclubwmo/
Lower Mississippi River	(651)554-3210	www.dakotacountyswcd.org/wshd_lmwmw.html
Lower Rum River	(763)421-8999	www.anokanaturalresources.com/lrmw/
Middle St. Croix River	(651)275-1136	www.mscwmo.org
Mississippi	(651)287-0948	www.mwmo.org
North Cannon River	(507)263-3103	www.dakotacountyswcd.org/northcannonriver.html
Pioneer-Sarah Creek	(763)553-1144	www.pioneersarahcreek.org
Richfield-Bloomington	(952)563-4867	
Shingle Creek	(763)553-1144	www.shinglecreek.org
Six Cities	(763)785-6171	www.anokanaturalresources.com/scwmo
Sunrise River	(763)434-9569	www.anokanaturalresources.com/srwmo
Upper Rum River	(763)434-2030	www.anokanaturalresources.com/urwmo
Vadnais Lake Area	(651)204-6070	www.vawmo.org
Vermillion River JPO	(952)891-7000	www.co.dakota.mn.us/CountyGovernment/PublicEntities/VermillionJPO
West Mississippi	(763)553-1144	www.shinglecreek.org
Carver County	(952)361-1823	www.co.carver.mn.us
Scott County	(952)496-8054	www.co.scott.mn.us

Watershed Districts

Browns Creek	(651)275-1136	www.bcwd.org
Capitol Region	(651)644-8888	www.capitdregionwd.org
Carnelian-Marine on St. Croix	(651)433-2150	www.cmcswd.org
Comfort Lake-Forest Lake	(651)209-9753	www.cflwd.org
Coon Creek	(763)755-0975	www.cooncreekwd.org
Lower Minnesota River	(952)856-5880	www.watersheddistrict.org
Minnehaha Creek	(952)471-0590	www.minnehahacreek.org
Nine Mile Creek	(952)835-2078	www.ninemilecreek.org
Prior Lake-Spring Lake	(952)447-4166	www.plslwd.org
Ramsey-Washington Metro	(651)792-7950	www.rwmwd.org
Rice Creek	(763)398-3070	www.ricecreek.org
Riley-Purgatory-Bluff Creek	(952)832-2600	www.rileywd.com
South Washington	(651)714-3729	www.sswdmm.org
Valley Branch	(952)748-4230	www.vbwd.org

Legend

- Watershed Districts
- Watershed Management Organizations

S:\WRES\GIS\WID-WMO\01_2010_WD_WMWO

Figure 2: Urbanized Area Map

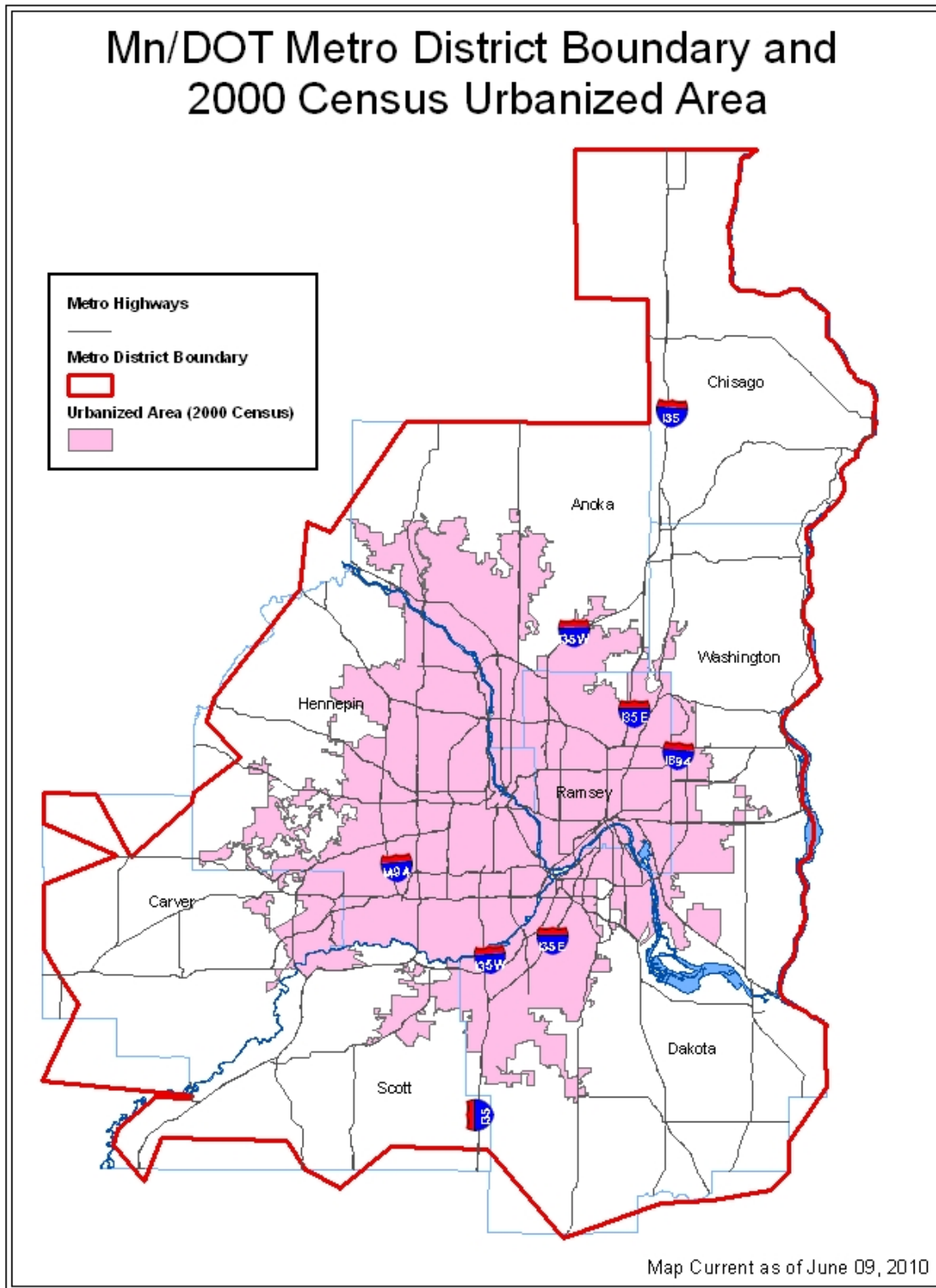


Figure 3: 2008 Vulnerable Drinking Water Supply Areas within Mn/DOT Metro

