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INTRODUCTION

This Storm Water Pollution Prevention Program (SWPPP) for the City of Bloomington has been developed to meet the requirements of the General Permit Authorization to Discharge Storm Water Associated with Municipal Separate Storm Sewer Systems Under the National Pollutant Discharge Elimination System/State Disposal System Permit Program; Permit No: MN R 040000; issued by the Minnesota Pollution Control Agency (MPCA) as authorized by the Environmental Protection Agency (EPA). It has also been developed to comply with the requirements of the Federal Water Pollution Control Act (Clean Water Act) and Phase II of the National Pollutant Discharge Elimination System (NPDES) program. This document and its references are intended to provide a framework of best management practices and measurable goals for the purpose of obtaining coverage and maintaining compliance under this General Permit for the City of Bloomington.

STORM WATER POLLUTION PREVENTION PROGRAM

The Storm Water Pollution Prevention Program is expected to reduce the discharge of pollutants from the City of Bloomington's municipal storm sewer system to the maximum extent practicable. The City of Bloomington manages, operates, and maintains the municipal separate storm sewer in a manner to reduce the discharge of pollutants. This program consists of a combination of best management practices including education, maintenance, system design, and other provisions to meet the requirements of General Permit No. MN R 040000. In development of the BMPs, the City considered source of pollutants, potentially polluting activities, uses of surface waters, local concerns, size of community, and other factors including sensitivity of surface waters.

A brief description of the City of Bloomington and its municipal separate storm sewer system is provided in Section V of this Storm Water Pollution Prevention Program. In addition, a description of the process used to develop this SWPPP is included therein.

The City of Bloomington will submit an annual report on the implementation of the Storm Water Pollution Prevention Program by June 30th of each year beginning in 2006 (for the 2005 calendar year) and continuing for the duration of this permit in accordance with the reporting requirements of Part VI.D.

GOALS

The goals of this Storm Water Pollution Prevention Program are to reduce the discharge of pollutants from the City's municipal separate storm sewer system and protect water quality satisfying appropriate water quality requirements of General Permit No. MN R 040000 as currently issued by the MPCA to the Maximum Extent Practicable (MEP).

The Storm Water Pollution Prevention Program is intended to address non-point source pollution that can occur within a watershed and be transported to lakes, ponds, streams, and wetlands via a municipal separate storm sewer system. The Storm Water Pollution Prevention Program is intended to reduce the discharge of pollutants to the maximum extent practicable and maintain the water quality and aquatic habitat by implementing

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BMPs and measurable goals for the control of runoff from urban areas addressing pollutants commonly found in these discharges.

These BMPs and measurable goals are identified for each of the six minimum control measures outlined in General Permit No: MN R 040000. The BMPs included in this Storm Water Pollution Prevention Program have been chosen for each minimum control measure based upon the individual source, location, and climate. Effective storm water management is often achieved from a management systems approach as opposed to an approach that focuses on individual practices. More specifically, pollutant control takes into account the effectiveness and cost of each individual practice in combination with others. Some individual practices may not be very effective alone, but when combined with other practices, they may be a key component to an overall effective pollution prevention system.

This SWPPP also incorporates by reference the City of Bloomington's Wetland Protection and Management Plan and Comprehensive Surface Water Management Plan and the BMPs associated with each plan to reduce pollutants to surface waters.

COVERAGE

General Permit No: MN R 040000 authorizes discharges of storm water from small municipal separate storm sewer systems as defined in 40 CFR 122.26(b)(16). The application, Notice of Intent, and this Storm Water Pollution Prevention Program serve the City of Bloomington and the City's municipal separate storm sewer system.

This permit does not authorize discharges other than storm water. Non-storm water discharges may include: non-contact cooling water, sewage, wash water, scrubber water, spills, oil, hazardous substances, fill, commercial equipment/vehicle cleaning and maintenance wastewaters.

This permit does not authorize the discharge of storm water when a separate NPDES permit is required for particular activities. This permit does not replace or satisfy any other permits required for those discharges.

This permit does not authorize the discharge of storm water from any other entity located in the drainage area or outside the drainage area. Only the City of Bloomington's system and the portions of the storm sewer system that are under the City's operational control are authorized by this permit.

This permit does not authorize the following **new or expanded** discharges unless the requirements of Part IX, Appendix C of the General Permit are met. For more information regarding Special Waters, refer to Figure III-1, Special Waters Reference Map:

- a. Discharges to Waters with Prohibited Discharges as defined in Minn. R. 7050.0180, subp. 3, 4 and 5. ***The City of Bloomington's MS4 does not have or propose to have new or expanded discharges into Waters with Prohibited Discharges as defined. The City of Bloomington does not***

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have Waters with Prohibited Discharges as defined in Minn. R. 7050.0180, subp. 3, 4, and 5 within the jurisdiction of the MS4.

- b. Discharges to Waters with Restricted Discharges as defined in Minn. R. 7050.0180, subp. 6, 6a and 6b. ***The City of Bloomington's MS4 does not have or propose to have new or expanded discharges into Waters with Restricted Discharges as defined. The City of Bloomington does not have Waters with Restricted Discharges as defined in Minn. R. 7050.0180, subp. 6, 6a, and 6b) within the jurisdiction of the MS4.***
- c. Discharges Adversely Impacting Trout Waters as defined in Minn. R. 6264.0050, subp. 2 and 4. ***The City of Bloomington's MS4 does discharge into any Trout Waters as defined in Minn. R. 6264.0050, subp. 2 and 4.***
- d. Discharges to Wetlands as defined in Minn. R. 7050.0130, subp. F (see also Minn. R. 7050.0186). ***The City of Bloomington enforces City Code Sec. 16.57-16.59 and acts as the Local Government Unit for the Wetland Conservation Act. It is the policy of the City to protect wetlands from significant adverse impacts to wetlands designated uses in compliance with Minn. R. 7050.0186 and Wetland Conservation Act Minn. R. 8420. The 1997 City of Bloomington Wetland Protection and Management Plan and 2000 Comprehensive Surface Water Management Plan guide the City on evaluation of wetland function and use and were written to conform with these and other applicable rules governing wetlands.***
- e. Discharges Requiring Environmental Review (Minn. Stat. Ch. 116D and 42 U.S.C. s. 4321-4370f). ***For new or expanded discharges, the City of Bloomington will follow all applicable environmental review regulations and other environmental review requirements including those under the Minnesota Environmental Policy Act (MEPA) or the National Environmental Policy Act (NEPA) as necessary. Preparations of Environmental Impact Statements, Environmental Assessment Worksheets, or other processes are incorporated into project procedures and/or specifications when required.***
- f. Discharges Affecting Threatened or Endangered Species: ***For new or expanded discharges, the City of Bloomington will follow all endangered or threatened species regulations found in Minn. R. 6134 and Federal rules as applicable. All required review and coordination with appropriate agencies for any project with the potential of affecting threatened, endangered species, or critical habitat will be performed and incorporated into project procedures when necessary.***

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- g. Discharges Affecting Historic or Archeological Sites: ***For new or expanded discharges, the City of Bloomington will conduct all required review and coordination related to historic preservation, including significant anthropological sites and burial sites, with the Minnesota Historic Preservation Officer. Results or findings from reviews are to be incorporated into project procedures, plans, or specifications when necessary.***
- h. Discharges Affecting Source Water Protection Areas: ***The City of Bloomington completed a Well Head Protection and Management Plan in 2004 including provisions to protect drinking water sources within the City that the MS4 may discharge to. The WHPMP serves as the BMP for Part IX. Appendix C; H. A map including management areas for vulnerable wells and source waters for drinking water supply has been completed and is included in Figure III-2. Mapping for source water protection areas for surface intakes is not included as there are no public surface water drinking source intakes in Bloomington.***

New or expanded discharges meeting any of the above listed conditions will be done so only after all required reviews, approvals, and determinations have been completed as required by all applicable laws and Part IX. Appendix C, of General Permit MN R 040000. In addition, any storm water issue that impacts areas within the DWSMA will be reviewed by the City of Bloomington Wellhead Protection Manager for potential conflicts between programs.

SECTION 303(d) LISTINGS AND TMDL

The Federal Clean Water Act requires states to adopt water quality standards to protect the nation's waters. These standards define how much of a pollutant can be in a surface water while still allowing it to meet its designated uses. For each pollutant that causes a waterbody to fail to meet state water quality standards, the Clean Water Act requires the states to conduct a Total Maximum Daily Load (TMDL) study. A TMDL study identifies all the point and non-point sources of each pollutant in a water body and estimates how much each pollutant source must reduce its contribution to assure the water quality standard is met.

Section 303(d) of the Clean Water Act requires states to publish an updated list every two years of streams and lakes that are not meeting their designated uses because of excess pollutants. The list is known as the 303(d) list.

Minnesota's current, EPA approved, 303(d) list includes approximately 130 areas where TMDLs need to be established. In the City of Bloomington the Minnesota River, Nine Mile Creek, and Bush Lake appear on the 2004 EPA approved 303(d) list. The pollutants or stressors identified in that list include: low oxygen affecting aquatic life, fecal coliform affecting swimming, and turbidity affecting aquatic life.

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WATERBODY	AFFECTED USE	POLLUTANT OR STRESSOR	TARGET START/COMPLETION
BUSH LAKE	AQUATIC CONSUMPTION	MERCURY	1999/2011
MINNESOTA RIVER	AQUATIC RECREATION	FECAL COLIFORM	2008/2011
	AQUATIC LIFE	LOW OXYGEN	1992/2003
	AQUATIC CONSUMPTION	MERCURY WATER COLUMN	1999/2011
	AQUATIC CONSUMPTION	MERCURY FCA	1999/2011
	AQUATIC CONSUMPTION	PCB FCA	1999/2011
NINE MILE CREEK	AQUATIC LIFE	TURBIDITY	2008/2011
	AQUATIC LIFE	CHLORIDE	2005/2009
	AQUATIC LIFE	FISH IBI	2005/2009
	AQUATIC LIFE	TURBIDITY	2005/2009

This SWPPP takes into account these listings and includes BMPs intended to reduce pollutant discharge to these waterbodies that may cause further impairment.

There currently is one EPA approved TMDL implementation plan for the area. This covers the lower 22 miles of the Minnesota River addressing the Low Flow Dissolved Oxygen TMDL. This SWPPP is in compliance with the approved TMDL implementation plan and does not require further modification.

For the purposes of General Permit No. MN R 040000, this Storm Water Pollution Prevention Program meets all TMDL requirements. If a future TMDL implementation plan is developed, or additional water bodies appear on the EPA approved 303(d) list, this Storm Water Pollution Prevention Program will be reviewed to assess its adequacy within the authority and scope of the General Permit and the Clean Water Act. Reviews and assessments of the Storm Water Pollution Prevention Program would be completed in conjunction with the annual report submitted the year following any EPA approved TMDL 303(d) listings or other changes.

PART X. APPENDIX D: NONDEGRADATION FOR SELECTED MS4s

The City of Bloomington is one of 30 MS4s required to meet the requirements of Part X. Appendix D of General Permit MN R 040000. The basic requirement for meeting Part X. Appendix D is preparation of a Loading Assessment and Nondegradation Report. For the purposes of this permit, the City of Bloomington must complete all submittals applicable to this part within 16 months after the effective date of the permit or by **October 1, 2007**.

The City of Bloomington will be coordinating this work with local Watershed Districts as well as reviewing existing information to assess the change in loading of average annual flow volume, total suspended solids, and phosphorus for the City. The assessment will cover two time periods:

1. 1988 (1988-1990) to the present (2000-2005); and
2. Present to 2020.

It is anticipated that the City will utilize existing modeling and potentially undertake new modeling efforts possibly utilizing P8, XPSWMM, Hydrocad, or other assessment methods to be determined and incorporated into the Loading Assessment. The results of the Loading Assessment will identify if any significant new or expanded discharges

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exist. If significant new or expanded discharges are found, a Nondegradation Report will be prepared. Upon approval by the Agency, the Nondegradation Report and its findings on BMPs that address nondegradaton will be incorporated into the Storm Water Pollution Prevention Program.

The ultimate submittal in accordance with Part X. Appendix D and Part XI. Appendix E of the General Permit is projected to consist of the following:

1. Loading Assessment
2. Nondegradation Report
3. Proposed SWPPP Modifications to address Nondegradation
4. Public and Local Agency Comments on Proposed Modifications including a Record of Decision; and
5. Application to Modify the Permit.

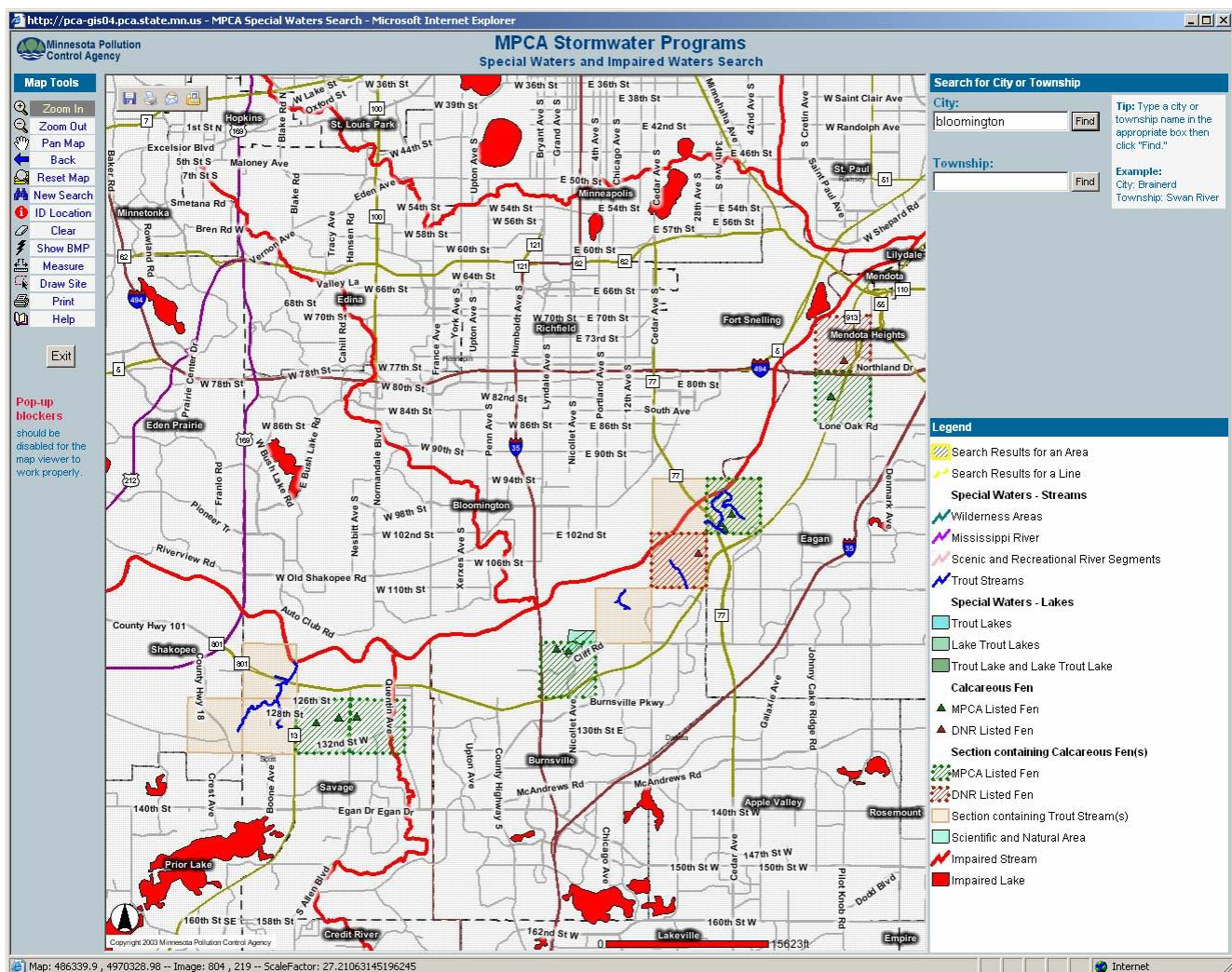
The MPCA will review all submittals and make a preliminary determination on approval, provide statewide public notice and opportunity for hearing on Agency intent, and ultimately make a final determination on the proposed modifications to the SWPPP.

Following approval by the MPCA, the Storm Water Pollution Prevention Program modifications will be implemented according to the schedule outlined.

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FIGURE III-1

SPECIAL WATERS AND IMPAIRED WATERS SEARCH



R 22 W | R 21 W

R 21 W | R 24 W

FIGURE III-2

Bloomington

*Drinking Water Supply
Management Area
(DWSMA) MN-00007
10-30 year Time of Travel*

- Public Water Supply Well
- Emergency Management Zone
- Wellhead Protection Area (WHPA)
- DWSMA
- DWSMA Vulnerability Boundary

H = High Vulnerability
M = Moderate Vulnerability

0.5 0 0.5 Miles



Approved October 3, 2002

T 116 N
T 115 N

R 22 W | R 21 W

R 21 W | R 24 W

