

**STORM WATER POLLUTION PREVENTION PROGRAM**

**FOR**

**THE CITY OF EAST BETHEL, MINNESOTA**

**AND**

**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. MNR040000**

**October 4, 2006**

**Revised November 8, 2007**

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## I. BACKGROUND

Originally enacted in 1948, the Federal Water Pollution Control Act (Clean Water Act) is a comprehensive statute with a main goal of restoring and maintaining the integrity of the nation's waters. In 1972 the Federal Water Pollution Control Act (Clean Water Act) was totally revised and amended by Congress, giving the Act its current shape. The Environmental Protection Agency (EPA) became the primary authority for implementation and enforcement with the 1972 amendment. One of the most significant features of the 1972 Act is the creation of the National Pollutant Discharge Elimination System (NPDES). Under the 1972 Act, industrial sources and publicly owned treatment works were not allowed to discharge pollutants into navigable waters without a permit.

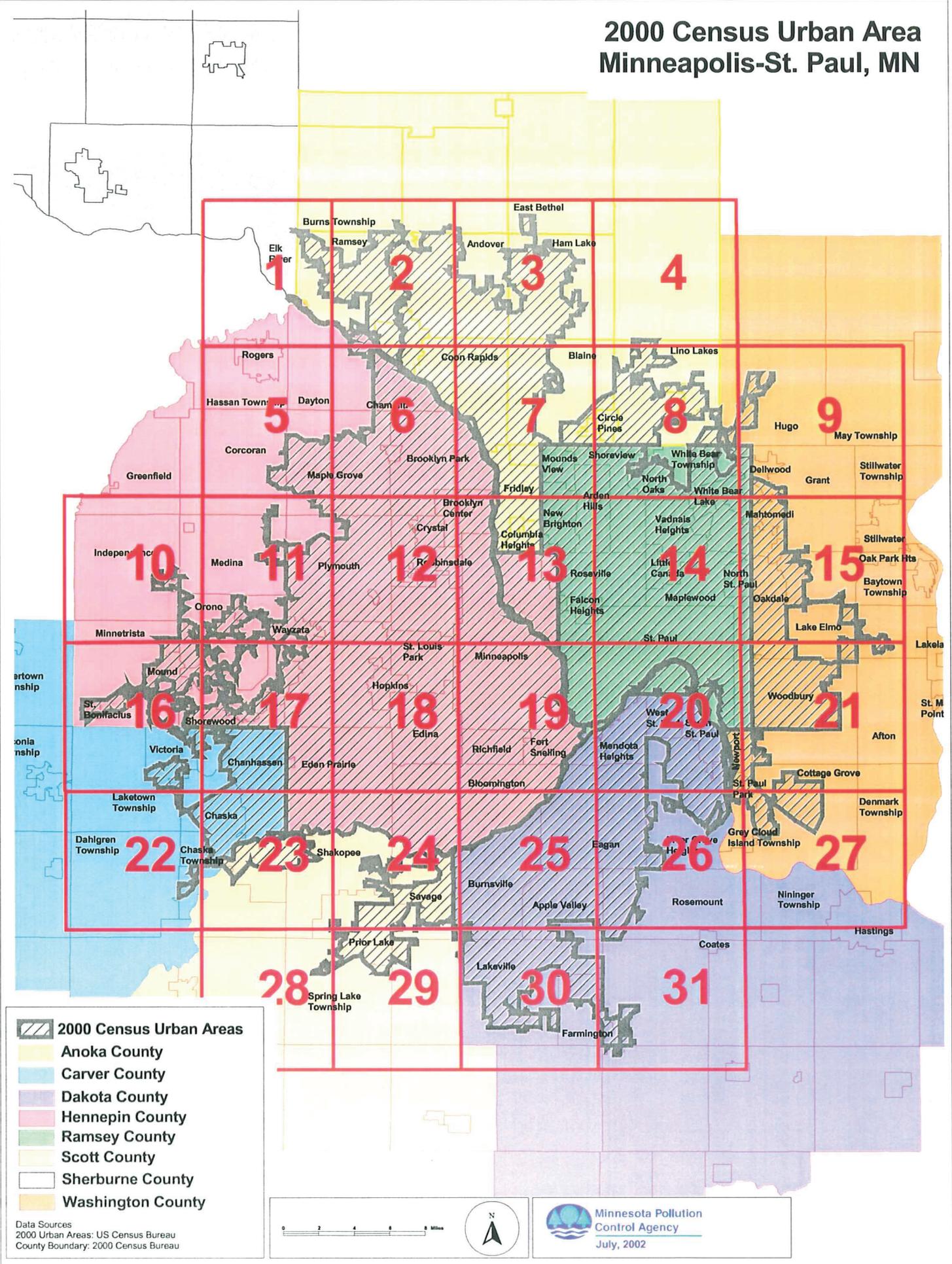
The 1987 amendments to the Clean Water Act authorized measures to address non-point source pollution, stormwater runoff, which contributes more than 50% of the nation's remaining water pollution problems. The 1987 Act delegated responsibilities to the state, which include the implementation and enforcement of the Act. As of January 2002, forty-five of the states had been delegated responsibility to issue and enforce discharge permits to industries and municipalities. The EPA issues discharge permits in the remaining states.

The 1987 amendment required implementation of a two-phase comprehensive national program to address stormwater runoff. The EPA issued regulations in 1990 to implement Congress' legislative mandate (commonly referred to as Phase 1). Phase 1 regulated large construction sites (disturbing more than five acres), discharges from industrial facilities, and major metropolitan Municipal Separate Storm Sewer Systems (MS4's), including Minneapolis and St. Paul. Under these regulations, MS4's serving a population of 100,000 people or more were required to obtain permits for storm water discharge.

In 1999, the EPA issued the Phase II rules, which required smaller MS4's to obtain a permit to discharge stormwater. Operators of municipal separate storm sewer system (MS4's) with populations of less than 100,000 people that are within urbanized areas as determined by the U.S. Census Bureau were required to apply for NPDES permit coverage by March 2003 and implement six minimum management controls to reduce or prevent pollution into receiving waters. The Phase II regulations also required operators of construction activities disturbing greater than one acre to obtain a permit.

The Phase II permit, MPCA General Permit No. MNR04000, was appealed to the Minnesota Court of Appeals by the Minnesota Center for Environmental Advocacy. On February 8, 2005, the MPCA issued a public notice of intent to issue the permit with modifications to address the Minnesota Court of Appeals decision. On February 28, 2006 the MPCA authorized issuance of the NPDES General Permit No. MNR04000, which is the current permit. The permit has an effective coverage date of June 1, 2006 and an expiration date of May 31, 2011.

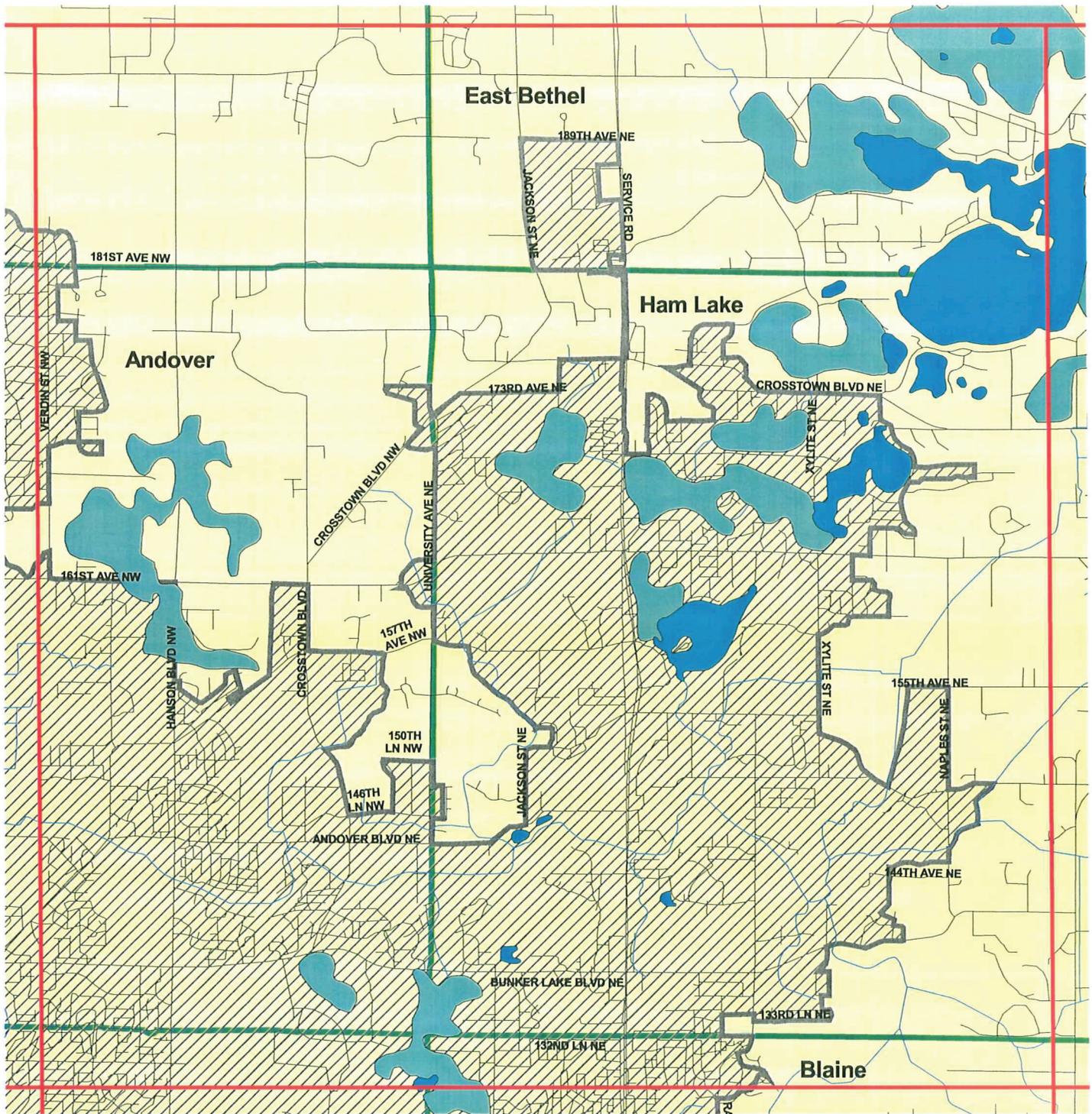
# 2000 Census Urban Area Minneapolis-St. Paul, MN



-  2000 Census Urban Areas
-  Anoka County
-  Carver County
-  Dakota County
-  Hennepin County
-  Ramsey County
-  Scott County
-  Sherburne County
-  Washington County

Data Sources  
 2000 Urban Areas: US Census Bureau  
 County Boundary: 2000 Census Bureau





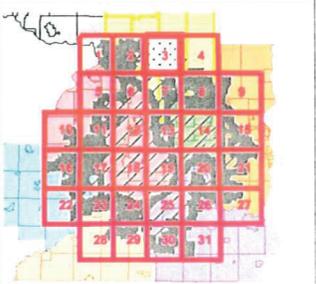
**Key**

- Map Index
- 2000 Census Urban Areas
- Anoka County
- Surface Water**
- LAKE/POND
- STREAM/RIVER
- SWAMP/MARSH
- Stream/River
- Streets

0 0.2 0.4 0.6 0.8 1 Miles

**Data Sources**  
 2000 Urban Areas: US Census Bureau  
 Surface Water: National Hydrographic Dataset  
 Streets and Railways: 2000 Dynamap data, GDT, Inc.  
 County Boundary: 2000 Census Bureau

Minnesota Pollution Control Agency  
 July, 2002



# Minnesota's Mandatory Small MS4s

*Updated March 22, 2007*

Andover City MS4  
Anoka City MS4  
Anoka County MS4  
Anoka-Ramsey Community College MS4  
Anoka Technical College MS4  
Apple Valley City MS4  
Arden Hills City MS4  
Benton County MS4  
Birchwood Village City MS4  
Blaine City MS4  
Bloomington City MS4  
Brockway Township MS4  
Brooklyn Center City MS4  
Brooklyn Park City MS4  
Burns Township MS4  
Burnsville City MS4  
Capitol Region WD MS4  
Carver City MS4  
Carver County MS4  
Cascade Township MS4  
Centerville City MS4  
Century College East Campus MS4  
Champlin City MS4  
Chanhassen City MS4  
Chaska City MS4  
Circle Pines City MS4  
Clay County MS4  
Columbia Heights City MS4  
Coon Creek WD MS4  
Coon Rapids City MS4  
Corcoran City MS4  
Cottage Grove City MS4  
Credit River Township MS4  
Crystal City MS4  
Dakota County MS4  
Dakota County Technical College MS4  
Dayton City MS4  
Deephaven City MS4  
Dellwood City MS4  
Dilworth City MS4  
Duluth City MS4  
Duluth Township MS4  
Eagan City MS4  
East Bethel City MS4  
East Grand Forks City MS4  
Eden Prairie City MS4  
Edina City MS4  
Elk River City MS4  
Empire Township MS4  
Excelsior City MS4  
Falcon Heights City MS4  
Farmington City MS4  
Fridley City MS4  
Gem Lake City MS4  
Golden Valley City MS4  
Grant City MS4  
Greenwood City MS4  
Ham Lake City MS4  
Haven Township MS4  
Haverhill Township MS4  
Hennepin County MS4  
Hennepin Technical College-Brooklyn Park MS4  
Hennepin Technical College-Eden Prairie MS4  
Hermantown City MS4  
Hilltop City MS4  
Hopkins City MS4  
Houston County MS4  
Hugo City MS4  
Independence City MS4  
Inver Grove Heights City MS4  
Inver Hills Community College-IGH MS4  
Jackson Township MS4  
La Crescent City MS4  
La Crescent Township MS4  
Lake Elmo City MS4  
Lake Superior College-Duluth MS4  
Laketown Township MS4  
Lakeville City MS4  
Landfall City MS4  
Lauderdale City MS4  
Le Sauk Township MS4  
Lexington City MS4  
Lilydale City MS4  
Lino Lakes City MS4

Little Canada City MS4  
Long Lake City MS4  
Loretto City MS4  
Louisville Township MS4  
Lower Minnesota River WD MS4  
Mahtomedi City MS4  
Maple Grove City MS4  
Maple Plain City MS4  
Maplewood City MS4  
Marion Township MS4  
Medicine Lake City MS4  
Medina City MS4  
Mendota City MS4  
Mendota Heights City MS4  
Metropolitan State University-St Paul MS4  
Midway Township MS4  
Minden Township MS4  
Minneapolis Community/Technical College  
MS4  
Minnehaha Creek WD MS4  
Minnesota Correctional-Lino Lakes MS4  
Minnesota Correctional-St Cloud MS4  
MN State Community/Technical College-  
Moorhead MS4  
MN State University-Moorhead MS4  
Minnetonka Beach City MS4  
Minnetonka City MS4  
Minnetrista City MS4  
MNDOT Metro District MS4  
MNDOT Outstate District MS4  
Moorhead City MS4  
Moorhead Township MS4  
Mound City MS4  
Mounds View City MS4  
New Brighton City MS4  
New Hope City MS4  
Newport City MS4  
Normandale Community College MS4  
North Hennepin Community College MS4  
North Oaks City MS4  
North St Paul City MS4  
Northland Community/Technical College  
MS4  
Oak Grove City MS4  
Oakdale City MS4  
Olmsted County MS4

Orono City MS4  
Osseo City MS4  
Pine Springs City MS4  
Plymouth City MS4  
Polk County MS4  
Prior Lake City MS4  
Prior Lake-Spring Lake WD MS4  
Proctor City MS4  
Ramsey-Washington Metro WD MS4  
Ramsey City MS4  
Ramsey County Public Works MS4  
Rice Creek WD MS4  
Rice Lake Township MS4  
Richfield City MS4  
Riley Purgatory Bluff Creek WD MS4  
Robbinsdale City MS4  
Rochester City MS4  
Rochester Community/Technical College  
MS4  
Rochester Township MS4  
Rosemount City MS4  
Roseville City MS4  
Saint Paul College MS4  
Sartell City MS4  
Sauk Rapids City MS4  
Sauk Rapids Township MS4  
Savage City MS4  
Scott County MS4  
Shakopee City MS4  
Sherburne County MS4  
Shoreview City MS4  
Shorewood City MS4  
South St Paul City MS4  
South Washington WD MS4  
Spring Lake Park City MS4  
Spring Lake Township MS4  
Spring Park City MS4  
St Anthony Village MS4  
St Bonifacius City MS4  
St Cloud City MS4  
St Cloud State University MS4  
St Cloud Technical College MS4  
St Joseph City MS4  
St Joseph Township MS4  
St Louis County MS4  
St Louis Park City MS4

St Paul Park City MS4  
Stearns County MS4  
Sunfish Lake City MS4  
Tonka Bay City MS4  
U of M-Duluth MS4  
U of M-Twin Cities Campus MS4  
Vadnais Heights City MS4  
Valley Branch WD MS4  
Victoria City MS4  
Waite Park City MS4  
Washington County MS4  
Watab Township MS4  
Wayzata City MS4  
West Lakeland Township MS4  
West St Paul City MS4  
White Bear Lake City MS4  
White Bear Township MS4  
Willernie City MS4  
Woodbury City MS4  
Woodland City MS4

## II. INTRODUCTION

As required by the Clean Water Act, the City of East Bethel has prepared a Storm Water Pollution Prevention Program (SWPPP). The SWPPP is a requirement of the NPDES General Permit No. MNR040000 (attached), which authorizes Municipal Separate Storm Sewer System (MS4) operators to discharge storm water. The goal of the Storm Water Pollution Prevention Program, when implemented, is to reduce the discharge of pollutants into receiving waters to the Maximum Extent Practicable (MEP). The Storm Water Pollution Prevention Program must be implemented or established in ordinance, plan or policy by **June 30, 2010**. The application form for the Small MS4 General Stormwater Permit can be found in Section XII.

## III. PERMIT COVERAGE

NPDES General Permit No. MNR040000 authorizes small MS4's to discharge storm water. This permit does not authorize discharges other than storm water and does not apply to construction sites which require a separate NPDES permit. This permit does not authorize the discharge of storm water of any other entity located in or outside of the drainage area. Only the system that is under the operational control of the City of East Bethel is authorized by the attached permit. Upon approval of the application by the Commissioner, discharges will be authorized under the terms and conditions of the permit. Limitations to permit coverage are listed in Appendix C of the General Permit (see Section XI: MS4 General Permit No. MNR040000).

## IV. MINIMUM CONTROL MEASURES

There are six minimum control measures outlined below that are required to be included in the Storm Water Pollution Prevention Program under the requirements of the permit. Within each of the six minimum control measures, there are a number of Best Management Practices (BMP's) that are required for each minimum control measure (see Section V). The six minimum control measures are as follows:

1. Public Education and Outreach on Storm Water Impacts

Public education and outreach is a major component of the SWPPP. Through education and outreach programs the operator of a MS4 can reduce the impacts on the receiving waters. There are ten (10) BMP's that are required and address this component of the program, which are outlined in the attached BMP summary sheets (BMP ID No. 1a-1 through 1e-1).

2. Public Participation/Involvement

Public participation is encouraged to receive input from the public on the SWPPP. Public input may be used as a gauge to determine the effectiveness of the SWPPP and associated BMP's. Based on public input, the City of East Bethel may modify components of the SWPPP if deemed beneficial. See the BMP summary sheets for BMP ID No. 2a-1 through 2c-1 for the required Best Management Practices for Public Participation/Involvement.

3. Illicit Discharge Detection and Elimination

A major component of illicit discharge detection and elimination is the storm sewer map. The storm sewer map will assist the City of East Bethel in detecting non-storm sewer discharges (illegal dumping). The City of East Bethel is required to prohibit non-storm water discharges to the extent allowable under law, through ordinance or other regulatory mechanism. See the BMP summary sheets for BMP ID No. 3a-1 through 3e-1 for the required Best Management Practices for Illicit Discharge Detection and Elimination.

4. Construction Site Storm Water Runoff Control

Within six months after extension of coverage under this permit, the City of East Bethel must have developed an ordinance or other regulatory mechanism to reduce pollutants in storm water runoff from construction activities. All construction activities which disturb greater than one (1) acre of land, and construction activities which disturb less than one (1) acre but are part of a larger common plan of development or sale will be controlled. See the BMP summary sheets for BMP ID No. 4a-1 through 4f-1 for the required Best Management Practices for Construction Site Storm Water Runoff Control.

5. Post-Construction Storm Water Management in New Development and Redevelopment

The City of East Bethel is required to commence and implement and enforce an ordinance or other regulatory mechanism to address post-construction storm water management in new development and redevelopment. See the BMP summary sheets for BMP ID No. 5a-1 through 5c-1 for the required Best Management Practices for Post-Construction Storm Water Management in New Development and Redevelopment.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

The City of East Bethel is required to operate and maintain the storm sewer system in a manner so as to reduce the discharge of pollutants to the maximum extent practicable. Key components for good housekeeping will be: inspecting 20% of the MS4 outfalls, inspecting all exposed stockpiles and material handling and storage areas, and inspecting structural pollution control devices on an annual basis. Records of the inspections shall be retained, including the date of completion of repairs and major additional protection measures. See the BMP summary sheets for BMP ID No. 6a-1 through 6c-1 for the required Best Management Practices for Pollution Prevention/Good Housekeeping for Municipal Operations.

V. BEST MANAGEMENT PRACTICES (BMP'S)

Best Management Practices have been established as required under the permit and are outlined in the attached BMP summary sheets. The BMP Summary sheets are the main body of this Storm Water Pollution Prevention Program. The BMP's have been summarized on the attached BMP Summary sheets to provide an easy mechanism that can be used to verify compliance with the requirements under this permit.

<b>Key to Unique BMP ID Numbers</b>	<b>Required BMP Title</b>	<b>Permit Reference</b>
1a-1	Distribute Educational Materials	<b>V.G.1.a</b>
1b-1	Implement an Education Program	<b>V.G.1.b</b>
1c-1	Education Program: Public Education and Outreach	<b>V.G.1.c</b>
1c-2	Education Program: Public Participation	<b>V.G.1.c</b>
1c-3	Education Program: Illicit Discharge Detection and Elimination	<b>V.G.1.c</b>
1c-4	Education Program: Construction Site Run-off Control	<b>V.G.1.c</b>
1c-5	Education Program: Post-Construction Stormwater Management in New Development and Redevelopment	<b>V.G.1.c</b>
1c-6	Education Program: Pollution Prevention/Good Housekeeping for Municipal Operations	<b>V.G.1.c</b>
1d-1	Coordination of Education Program	<b>V.G.1.d</b>
1e-1	Annual Public Meeting	<b>V.G.1.e</b>
2a-1	Comply with Public Notice Requirements	<b>V.G.2.a</b>
2b-1	Solicit Public Input and opinion on the Adequacy of the SWPPP	<b>V.G.2.b</b>
2c-1	Consider Public Input	<b>V.G.2.c</b>
3a-1	Storm Sewer System Map	<b>V.G.3.a</b>
3b-1	Regulatory Control Program	<b>V.G.3.b</b>
3c-1	Illicit Discharge Detection and Elimination Plan	<b>V.G.3.c</b>
3d-1	Public and Employee Illicit Discharge Information Program	<b>V.G.3.d</b>
3e-1	Identification of Non Stormwater Discharges and Flows	<b>V.G.3.e</b>

<b>Key to Unique BMP ID Numbers</b>	<b>Required BMP Title</b>	<b>Permit Reference</b>
4a-1	Ordinance or other Regulatory Mechanism	<b>V.G.4.a</b>
4b-1	Construction Site Implementation of Erosion and Sediment Control BMPs	<b>V.G.4.b</b>
4c-1	Waste Controls for Construction Site Operators	<b>V.G.4.c</b>
4d-1	Procedure for Site Plan Review	<b>V.G.4.d</b>
4e-1	Establishment of Procedures for the Receipt and Consideration of Reports of Stormwater Noncompliance	<b>V.G.4.e</b>
4f-1	Establishment of Procedures for Site Inspections and Enforcement	<b>V.G.4.f</b>
5a-1	Development and Implementation of Structural and/or Non-structural BMPs	<b>V.G.5.a</b>
5b-1	Regulatory Mechanism to Address Post Construction Runoff from New Development and Redevelopment	<b>V.G.5.b</b>
5c-1	Long-term Operation and Maintenance of BMPs	<b>V.G.5.c</b>
6a-1	Municipal Operations and Maintenance Program	<b>V.G.6.a</b>
6a-2	Street Sweeping**	
6b-2	Annual Inspection of All Structural Pollution Control Devices	<b>V.G.6.b.2</b>
6b-3	Inspection of a Minimum of 20 percent of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis	<b>V.G.6.b.3</b>
6b-4	Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas	<b>V.G.6.b.4</b>
6b-5	Inspection Follow-up Including the Determination of Whether Repair, Replacement, or Maintenance Measures are Necessary and the Implementation of the Corrective Measures	<b>V.G.6.b.5</b>
6b-6	Record Reporting and Retention of all Inspections and Responses to the Inspections	<b>V.G.6.b.6</b>
6b-7	Evaluation of Inspection Frequency	<b>V.G.6.b.7</b>
7a-1	Impaired Waters Review Process	<b>IV.D</b>

## VI. BMP SUMMARY SHEETS