

# Stormwater Management Plan

City of St. Martins

Submitted By: Kevin Myers, Mayor  
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## Introduction

The City of St. Martins has a Municipal Separate Storm Sewer System (MS4). Because the city has a population of over 1,000, it is a Missouri "regulated MS4" and must obtain a NPDES Stormwater Permit. The city must also develop a Stormwater Management Plan (SMP).

The SMP summarizes the city's intentions to reduce the amount of pollution in its stormwater runoff by addressing the six categories of concern listed in the permit. These categories are as follows:

1. Public Education and Outreach.
2. Public Involvement and Participation.
3. Illicit Discharge Detection and Elimination.
4. Construction Site Runoff Control.
5. Post-construction Site Runoff Control.
6. Pollution Prevention/Good House Keeping

The city will adapt this plan to its own unique situation and will attempt to improve the plan each year. As circumstances change, new solutions may be necessary to better control pollution in stormwater. This plan is a foundation on which new and innovative ideas and solutions can be developed in the years to come to protect the water quality of our local streams.

## City Information

Name of City: St. Martins

Population: 1023

Water Supply: Well

Waste Water Treatment: Lagoons, Septic Tanks and Jefferson City  
Treatment Plant

Water Shed: Moreau River to Grey's Creek

Geologic Setting: Ozark Plateau, Karst

Average Rainfall: 40 inches per year

St. Martins is located in south central Missouri along the highest point of the Ozark Plateau. Rainfall runoff flows to Grey's Creek Watershed and Moreau River.

St. Martins has no manufacturing. There is a kiln dry hardwood facility within the city.

There are approximately 20 miles of stormwater drains in the city. The city has expanded the stormwater system by 5 miles in the last two years due to new development.

## Definitions

Stormwater: The rain water that flows off parking lots, yards, and other properties into roadside ditches, storm drains, and streams during a rainstorm.

Municipal Separate Storm Sewer System: A stormwater sewer (drainage) system that is “separate” from the regular domestic sewage system. The stormwater sewer system discharges directly to a stream without treatment of the rainwater.

MS4: An abbreviated term for the phrase “Municipal Separate Storm Sewer System”. (One “M” and four “S’s”.)

Regulated MS4: A Municipal Separate Storm Sewer System that is required to obtain an NPDES Permit and comply with the Missouri stormwater regulations.

MCM: An abbreviated term for “Minimum Control Measure”.

Minimum Control Measure: One of the six categories, that at a “minimum,” must be addressed in the stormwater management plan. The six categories include Public Information, Public Participation, Illicit Discharges, Construction Site Runoff, Post-construction Runoff, and Pollution Prevention/Good House Keeping. Each of these categories is a Minimum Control Measure.

BMP: An abbreviated term for “Best Management Practice”.

Best Management Practice: A type of management, habit, action, practice, type of construction or other ways of doing things that accomplishes the best result – given the circumstances (size, budget, other factors) a city must work under. Each city must look at its own particular situation and determine what BMPs work best to implement the six MCMs.

MEP: An abbreviated term for “Maximum Extent Practicable”

Maximum Extent Practicable: Doing your best to the maximum extent that is practical – given your city’s abilities and needs.

## Public Education and Outreach

The City of St. Martins has a goal of significantly increasing awareness among its citizens of stormwater pollution. The strategy for accomplishing the goal will include several measurable efforts to raise public awareness of how stormwater is contaminated and ways each individual can help minimize the problem.

Outreach will seek to inform people about the following subjects:

1. The proper handling and disposal of solid wastes.
2. The proper handling and disposal of hazardous wastes.
3. The proper handling and application of fertilizers and pesticides on lawns.
4. The elimination of illegal dumping of oil and other chemicals into storm drains.
5. The importance of erosion control structures on construction sites to prevent sediment from eroding into storm drains.
6. The importance of detention basins and other post-construction structures to prevent erosion down stream of new development.

### Actions and Measurable Goals:

Action 1: Publish information on above referenced items in the city newsletter two times a year.

Measurable Goal: Complete action 1 by one year after the date of issuance of the permit.

## Public Involvement and Participation

The City of St. Martins will initiate measures to get the public involved in stormwater issues.

Action: The board of aldermen will discuss stormwater issues and requirements.

Measurable Goals: The board of aldermen will discuss stormwater requirements at least 2 times per year at public meetings.

## Illicit Discharge Detection and Elimination

The City of St. Martins will implement measures to reduce and eliminate unauthorized discharges to its storm sewer system.

Action: The city of St. Martins will conduct visual inspections of stormwater inlets to detect illegal discharge to storm sewers.

Measurable Actions: The city will visually inspect 25% of all stormwater outlets each year and record the inspection date and result.

## Construction Site Runoff Control

The city of St. Martins will establish procedures and policies to promote the control of sediment erosion on construction sites. The following actions will be taken.

Action: The city of St. Martins will publish in the city's newsletter the fact that an erosion control plan is required for construction sites of 1 acre or more.

Measurable Goal: Require the submittal of an erosion control plan for all construction sites of 1 acre or more by 1 year after the issuance of the NPDES Permit.

## Post-Construction Site Runoff Control

The city of St. Martins will establish policies and procedures to control post-construction site runoff. The city will implement the following actions.

**Action:** During the review of plans for a construction project the city will require a detention basin if the project includes a large impervious area.

**Measurable Goal:** The city will publicly discuss requiring detention basins 1 year after the issuance of the NPDES Permit.

## Pollution Prevention/Good House Keeping

The City of St. Martins employees will be instructed in the proper handling of pollutants. The following actions will be implemented.

Action: Work with Cole County Public Works to use their street sweeper a minimum of 1 time a year.

Measurable Goal: Street sweepings will be disposed of in a sanitary landfill immediately upon issuance of the NPDES Permit.