CALLAWAY COUNTY STORM WATER MANAGEMENT PROGRAM
JUNE 2006
DRAFT DOCUMENT

Introduction

As a result of the 2000 Census, portions of Callaway County have been included in the Jefferson City urbanized area boundary. Because of this designation, Callaway County is required to obtain a NPDES Phase II Storm Water Permit for the areas of the County that fall within this urbanized boundary.

Part of the permit process requires the County to develop a Storm Water Management Program (SWMP). The SWMP summaries the county's intentions to reduce the amount of pollution in stormwater runoff by addressing six minimum control measures detailed in the permit. These minimum control measures 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 county 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.

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.

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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 county must work under. Each county 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 county's abilities and needs.

The following SWMP was developed for and applies to the portion of Callaway County that falls within the urbanized area boundary and not the entire County.

Public Education and Outreach

Callaway County has a goal of significantly increasing awareness among its citizens regarding stormwater pollution. The strategy for accomplishing this goal will include several measurable efforts to raise public awareness of how storm water 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: Establish a storm water section on the county's website that discusses the six subjects listed above.

Measurable Goal: Complete action by two years after the date of issuance of the permit.

Action 2: Place informational brochures available to the public in county courthouse discussing the six subjects listed above.

Measurable Goal: Have brochures in place by two years after the date of issuance of the permit.

Action 3: Contact local radio and television stations to discuss possible public service announcements or storm water stories.

Measurable Goal: Make contact within 1 year of date of issuance of permit and set a goal for the first PSA within 1 year of issuance of permit.

Action 4: Make storm water presentations to the public.

Measurable Goal: Make 1 presentation per year to various civic groups.

Public Involvement and Participation

Callaway County will initiate measures to get the public involved in stormwater issues.

Action: The county commission will discuss stormwater issues & requirements.

Measurable Goals: The county commission will discuss stormwater issues and requirements at least 2 times per year at public meetings.

Action: The County will discuss partnering opportunities with other public entities in the urbanized area to help with special events dealing with stormwater issues.

Measurable Goals: The County will discuss partnering opportunities within 1 year of obtaining the permit.

Action: The County will discuss the possibility of forming a Stormwater Committee with the other public entities to guide the development of stormwater requirements and standardization among the entities.

Measurable Goals: The County will contact the other entities within 1 year of issuance of the permit.

Illicit Discharge Detection and Elimination

Callaway County will implement measures to reduce and eliminate unauthorized discharges to its storm sewer system.

Action: Callaway County will conduct visual inspections of stormwater outlets to detect illegal discharges to storm sewers.

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

Action: The County will establish a phone number that citizens can call to report illegal discharges.

track calls & response actions

Measurable Actions: The County will place a phone # on all literature and the County web site.

Action: The County will hold public meetings and discussions about establishing an ordinance prohibiting the discharge of oil, paints, wash water, and other wastes into the county storm sewer.

need dates & details of ordinance

Measurable Goals: The County will hold public discussions on an illegal discharge ordinance within 1 year of issuance of the permit.

Construction Site Runoff Control

Plan = start discussions w/in one year. Needs to start earlier & include target products & dates.

Callaway County will establish procedures and policies to promote the control of erosion on construction sites. The following actions will be taken.

Action: Require an erosion control plan to be submitted to the County for every construction site of 1 acre or more within the urbanized area boundary.

Measurable Goal: Require the submittal of an erosion control plan for all construction sites of 1 acre or more by 2 years after the issuance of the NPDES Permit. ? timetable

Action: The County will hold public discussions about drafting an erosion control ordinance. The ordinance would require a permit and erosion control plan for all

construction sites of 1 acre or more. The ordinance would specify examples of BMPs that must be used on site.

Measurable Goal: Start discussions of an erosion control ordinance within 1 year of the issuance of the NPDES Permit.

more aggressive

Action: Discuss the option of partnering with other public entities within the urbanized area for sharing resources dealing with inspections of construction sites.

strategy procedures & dates

Measurable Goal: Make contact with the other entities within 1 year of the issuance of the NPDES Permit.

Post-Construction Site Runoff Control

Callaway County will establish policies and procedures to control post-construction site runoff. The County will implement the following actions.

Action: The County will begin discussions about requiring detention basins for projects with large impervious areas like large shopping centers and large subdivisions. The detention basins are to prevent erosion down stream.

missing the intention it = WQ

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

Not adequate

Action: The County will discuss developing an ordinance requiring detention basins.

Measurable Goal: The County will begin discussions for developing a detention basin ordinance 1 year after the issuance of the NPDES Permit.

Pollution Prevention/Good House Keeping

Callaway County will establish policies and procedures to reduce the potential for pollution of stormwater by county operations. The following actions will be implemented.

Action: Have a staff meeting with all public works employees to discuss good house keeping. The training will include proper handling and disposal of solid wastes and hazardous wastes.

training or meeting? Need formal training

Measurable Goal: Have staff meeting with all public works employees to discuss good house keeping within 6 months of issuance of NPDES Permit. These staff meetings will be held every year to refresh personnel on environmental regulations.

Need list of all municipal ops + SW mgmt practices

Need inspection

Action: Callaway County employees will be instructed in the proper handling and application of pesticides.

Measurable Goal: Callaway County employees will be instructed in the proper handling and application of pesticides within 6 months of the issuance of the permit. Employees will be instructed in the proper handling and application of pesticides 1 time per year.

Action: Public Works employees will be instructed in the proper use of BMPs on county operated construction sites.

Measurable Goal: Public Works employees will be instructed in the proper use of BMPs on county operated construction sites within 6 months of the issuance of the NPDES Permit. Employees will be instructed in the proper use of BMP's 1 time per year.

other municipal ops?