

CHRISTIAN COUNTY, MISSOURI

APPLICATION FOR STORM WATER PERMITS FOR SMALL MUNICIPAL SEPARATE SEWER SYSTEMS (MS4)

FORM M – PART 4

Storm Management Program

INTRODUCTION

The application for the general permit requires the development of a storm water management program (SWMP) as indicated in the terms of the general permit (RE: Part IV)

Christian County has a number of programs and ordinances in place that will be a firm building block in fulfilling Phase II Storm Water Regulations. It is our intent as we grow to comply with the policies required by this permit.

Despite the fact that we are the fastest growing county in the state, Christian County has through conglomerations of the Planning and Zoning Department, County Health Department, and the overview by a very dedicated County Commission moved forward in every endeavor to preserve the natural resources that make our county such a desirable place to live.

As an ongoing process we review and amend our zoning policies regularly. Public notice and input is necessary for this process as required by State Statutes.

Over the time frame set forth in this permit, we purpose to amend our present Planning and Zoning Regulations. We will hold public hearings to inform the public of the Phase II program and will provide educational information in a programmed time frame.

B-IV

1. Public Education and Outreach

Studies on the subject of water quality have been conducted in our county by Southwest Missouri State University and this information will be shared in our Public Information Program. We are also currently associated with the James River Basin Partnership, Watershed Committee of the Ozarks, and are members of the Solid Waste District O, a leading solid waste district in the state.

A large extent of the growth in our county is in the urban areas of Nixa and Ozark, Missouri. We will be working with these communities to ensure a good affiliation. In addition, we will provide informational guides to all the communities and public school systems in the county to inform the public of our goals. Throughout the building permit process, we will be handing out B.M.P. information to inform those of single family developments that do not come under our subdivision process.

2. Public Involvement/Partnership

Christian County Planning and Zoning will implement a Storm Water Informational Packet. The packet will regard BMP in Karst area sinkholes and in intermittent streams. Two natural features that are prevalent in county. The packet will be shared with the Christian County Health Department and will be distributed with each waste water permit. (Septic tank or alternate systems) Completed packet will be included in all issued permits and are kept in file in the Planning and Zoning Office.

The 2004 annual budget will include a line item for Phase II Storm Water Management implementation. The budget will be considered and adopted by the Christian County Commission. The budget is reviewed in public hearings and is open for public comments. A copy of the budget can be obtained from the County Commission Office 100 West Church Street, Ozark, Missouri 65721.

3. Illicit Discharge

In the past, the county has maintained a third class county status and there have been no provisions for building regulations to inspect plumbing, etc. As the county progresses, officials are hopeful to attain building codes in the near future. In the early 1990's the Christian County Health Department required an "Installer License" for waste water contractors, which calls for design and construction of individual waste water systems. The Health Department has done an admirable job in this area. Larger developments have guidance through our Planning and Zoning office and through permits from DNR that are required in the process.

At this time, the county has no regular inspections for illicit discharge of storm water drainage. Reported actions are inspected by our Zoning Code Enforcement Officer and remedies are sought by compliance or other actions. Illegal dumping complaints are investigated by our Christian County Sheriff Department, Health Department or DNR. Our Emergency Management office is involved with hazardous or suspicious materials.

3.2 Christian County has no storm water systems per se. We do have USGS maps and are under FEMA for flood plain ordinance information. The process of having the storm water sewer outfalls identified will be an undertaking which will be in procedure during the term of the permit.

3.4 The Planning and Zoning budget will include a line item to address the program. We will coordinate efforts with existing regulations, both state and local, to comply with this section. District O (solid waste) has provided household hazardous waste collections for Christian County and we anticipate this to continue.

3.5 Public information will be distributed through schools and businesses. The information will describe areas where the public will be asked to participate within concurrence of their practical areas.

4. Construction Site Run Off Central

There is a sediment erosion section in the Planning and Zoning's Unified Development Codes. This section will be reviewed and updated with public hearings. At this time, there are no regulation for development under one acre. Waste water and flood plain regulations are in place to protect losing streams and sinkholes. Grading Permits are required for land disturbances under our zoning regulations

It is our intent to further educate the county's construction industry of BMPs. Most of our contractors build both in Greene and Christian Counties. Greene County has had BMPs in place for sometime; therefore this process should be less complicated. We will define it more clearly in Christian County by upgrading our regulations.

5. Post Construction Storm Water Management

Christian County being in a highly sensitive geological area has been the site of several recent studies on water run off. Southwest Missouri State University, as well as some members of the Watershed Committee of the Ozarks are and have been working in our county and are providing information and data in these areas. Efforts will be made to educate the public of the findings and recommendation of these studies.

5.1 At this time, engineering is required throughout the platting process to address these areas. These areas need to be reviewed and updated to deal with points not thoroughly addressed in our regulations.

5.2 BMP will be reviewed and public awareness will be addressed.

5.3 In order to comply in this area, Home Owners Association and property owner groups will be given public awareness information on BMPs. Monitoring private maintenance activities will be difficult considering our small staff; however we will do our best to inform groups of the Regulation and BMP.

6. Good Housekeeping for Governmental Municipal Operations

There are nine special road districts in Christian County. Information and requirements will be put in place regarding vehicle washing. (Many policies are in place) Maintenance programs will also be implemented and will include policies for oil products, fueling, and storage areas, etc. This will be an on going part of our permit process. Routine inspections will be documented to assure water qualities.

6.1 Training sessions and programs will be implemented to train employees of BMP and BMP policies.

6.2 We will be ordering and utilizing material available from EPA, the state, and other organizations in employee training.

6.3 One of our main goals will be to develop a guidebook of BMP and for this purpose the manual will be available to individuals involved in construction as well as the public in general.

Part IV

We will be encouraging the City of Ozark and Nixa to participate in sharing the registry of information for use by the public and county. This will improve standards and regulation that already exist.

Part V

We intend to develop a file on each area discussed and required by this permit. It will be available for public review in the Planning & Zoning Office of the Christian County Courthouse.

We will prepare a report as requested by Missouri Department of Natural Resources. Copies of the general permit will also be kept on file and available for inspection by the public as required by the general permit.

We will submit an annual report to the Director of the Department of Natural Resources by January 31st of each calendar year. This will be in accordance with the requirements of the General Permit as spelled out in the permit.

Proposed Schedule

For Implementing permit requests:

See attached

Illicit Discharge Detection & Elimination

Activity	Implementation
Draft - Storm Water Management Plan Document	Year 1
Draft - Storm Water Management Ordinances	Year 1
Gain Input from the Construction Industry and Public about both the Plan and Ordinances	Year 1
Public Hearings on Storm Water Ordinances	Year 2
Revise and Update Storm Water Management Plan	Annually Beginning Year 3
Develop BMPs- 6 Minimum Control Measures	Year 2
Develop Measurable Goals	Year 2
Revise BMPs and Goals for Minimum Control Measures	Annually Beginning Year 3
Public Notice - Office of Planning and Zoning	In Place
Evaluate Needs for Illicit Discharge Detection and Elimination	Year 2
Evaluate Staffing and Funding Needs	Year 1
Map and Inspect Storm Water Systems	Year 2 and 3
Develop Maintenance Procedure of Storm Water Facilities	Year 2
Seek Input on Funding Needs	Year 3
Develop Procedures and Policies for Pollution Prevention for County Operation. Develop maintained schedule of Storm Water facilities maintained by County.	Year 2

Appendices

A. Public Education and Outreach	
B. Zoning Regulations	
C. Public Information at Present (Solid Waste District O)	