

Stormwater Management Plan

Stormwater Management Plan December 22, 2008

1. Introduction

The City of Kechi Stormwater Management (SWMP) was prepared to guide the city in planning and implementing a comprehensive program for addressing the current and future regulatory and policy requirements for managing stormwater runoff, water quality and the city's natural resources.

The Public Works department is responsible for the Stormwater program and the National Pollutant Discharge Elimination System (NPDES). These programs are typically implemented to respond to regulatory requirements, the need for public services and safety, and the City's commitment to protect and improve the quality of its natural resources and environment.

A. Purpose

The purpose of the SWMP is to address how to meet the many regulations, adopted plans and policies that affect stormwater, flooding and associated water dependent resources. An overall stormwater plan is needed to address the interrelationships of the SWMP. The stormwater plan approaches meeting requirements and implementing policies consistent with long term goals and objectives as outlined in the Stormwater Plan and NPDES Phase II Permit requirements.

B. Kansas Water Pollution Control General MS4 Permit

The City of Kechi is a population of less than 100,000 and must comply with the conditions of the MS4 Permit. The Cities permit was issued on September 24, 2004 and remains in effect till September 24,2009. The permit allows municipalities to discharge stormwater from municipal systems into rivers, lakes and streams as long as programs are implemented to reduce pollutants in stormwater by conducting activities and implementing programs in the following areas.

- Public education and outreach
- Public involvement and participation
- Illicit discharge detection and elimination
- Construction run-off controls
- Post-construction run-off controls
- Pollution prevention and municipal operation maintenance

2. Public Education and Outreach

A. Current Activities

- The City of Kechi will mail out a brochure annually, along with backflow renewals on continually educating the public on stormwater quality
- Information about stormwater quality and importance of maintaining good housekeeping can be seen on local channel 5. This channel runs continuously 24 hrs a day.

B. Planned Activities

- Fully develop an outreach strategy with input from staff

3. Public Involvement and Participation

A. Current Activities

- City wide clean-up days are scheduled biannual
- Brush dump open to the public for use during city hours

B. Planned Activities

- Continue City Council and public education process on NPDES implementations
- Continue to develop a public involvement program and participating opportunities to include all permit requirements
- Summarize activities in annual compliance report

4. Illicit Discharge Detection and Elimination

- Develop and implement a plan to detect and address prohibited non stormwater discharges, including illegal dumping to the storm sewer system. Unless identified by either the permittee or KDHE as significant source of pollutants to waters of the state, the following

are examples on non-stormwater discharges are not prohibited from entering the Municipal Separate storm sewer.

- a) Water line flushing
- b) Diverted stream flow
- c) Uncontaminated pumped ground water
- d) Discharges from potable water sources
- e) Foundation drains

- f) Discharge or flows from emergency fire fighting activities
- g) Other discharges determined not to be significant source of pollutants to waters of the state, a public health hazard or a nuisance.

A. Current activities

- Utilizing available training programs to enhance education of all city field staff on water quality issues
- Organizing a city spill response program that includes all field staff and contacted police and fire departments

B. Planned Activities

- Develop a stormwater map with GPS and make it available to all field personnel
- Develop and maintain enforcement policies and procedures
- Document all responses
- Discharge detection and elimination program, monitoring and education.

5. Construction Site Runoff Control

A. Permit Requirements

- Contractor must fill out form in relationship to the activities that are planned when the disturbance of soil is required, when the permit is pulled.
- The city will inspect project and follow the plan as put forth by the contractor.
- Any non-compliance to permit will justify permit to be revoked

B. Current Activities

- Inspection staff has been trained in implementation and installation on BMP's to assure full effectiveness of runoff controls. This includes low impact development approaches.

C. Planned Activities

- To offer education opportunities to contractors to inform them of current established practices and ordinances.

- Development of a worksheet that contractors/public must fill out stating how they will control stormwater . This worksheet will be filled out when contractors/public pull a permit.
- A stormwater inspection card will be developed to go with inspection card that will remain with project
- Develop an education and outreach program for commercial and private owners.
- Continue training and education of staff.
- Summarize activities in annual compliance report

6. Post- Construction Site Runoff Control

A. Current Activities

- City inspection staff have been trained in implementation and installation of BMP's to assure full effectiveness of runoff controls. This includes low impact development approaches.
- The City maintains records of review, inspection and enforcement actions by city and contracted staff.

B. Planned Activities

- Review inspection, plan review and enforcement process and procedures and make changes as needed
- Revise maintenance standards
- Continue the staff training
- Create an education and outreach plan for commercial and private facility owners
- Summarize activities in annual compliance report

7. Pollution Prevention and Operations @ Maintenance for Municipal Operators

A. Current Activities

The City of Kechi Maintenance department is taking steps to minimize pollutants in runoff from City activities.

- A plan to sweep streets, 3 times annually is being instituted
- A plan to clean and maintain spillways is being developed
- A plan to control erosion around stormwater outlets is being developed

- Participates in Hazardous household waste disposal program with Sedgwick county

B. Planned Activities

- Maintain drainage areas
- Maintain Municipal recycling program
- Maintain city wide clean-up days
- Have access to brush pile as needed
- Review and update all practices and procedures to assure compliance and make adjustments as needed



A Place to Call Home

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City of Kechi
