

Phase II Municipal Separate Storm Sewer System (MS4)
Annual Report
Cover Page

Part I. General Information:

1. Name of Permittee: **Oklahoma County**
2. Mailing Address: **320 Robert S. Kerr, Suite 101 Oklahoma City, OK 73102-3431**
3. Contact Person: **Ruth Walters**
4. E-Mail Address: **enrutwal@oklahomacounty.org**
5. Telephone Number: **(405) 713-1357**
6. Reporting Period (Month/Year — Month/Year): **Dec. 2007 – Dec. 2008**
7. Authorization # **OKR040016**
8. Have any areas been added to the MS4 due to annexation or other legal means?
Yes____ No X
9. Are you subject to the Design Standards contained in Attachment 4 of the General Permit?
Yes____ No X

Part II. Proposed Changes to BMPs:

1. Do you plan to add any new BMPs? Yes____ No X

If yes, please provide a BMP description, measurable goal, and implementation schedule for each new BMP.

Part III. Certification Statement:

I certify under penalty of law that this document and all attachments were prepared with direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

Printed Name: _____

Title: _____ Date: _____

Executive Summary

Stormwater Management Annual Report

Executive Summary:

This annual report has been prepared in compliance with the Oklahoma Department of Environmental Quality's permitting requirements for small municipal separate storm sewer systems (MS4s). Oklahoma County has been designated a MS4 based on population in the urbanized areas in the unincorporated portions of Oklahoma County. Under Phase II requirements MS4's must apply for a general permit in order to be authorized to discharge stormwater into "waters of the United States". The permit requires MS4's to develop, implement, and enforce a stormwater management program designed to reduce the discharge of pollutants to the maximum extent practicable. Municipalities, counties, and state entities have five years to achieve complete implementation of the program, but each year they must show incremental progress towards accomplishing that goal. To monitor progress of the stormwater management program, the ODEQ requires all entities to conduct an annual evaluation and submit the results in the form of an annual report. This document has been prepared to satisfy this requirement.

Minimum Control Measures

MCM – 1 **Public Education and Outreach**

MCM – 2 **Public Involvement and Participation**

MCM – 3 **Illicit Discharge Detection and Elimination**

MCM – 4 **Construction Site Storm Water Control**

MCM – 5 **Post-Construction Storm Water Management**

MCM – 6 **Pollution Prevention and Good Housekeeping**

MCM-1 Public Education and Outreach

Table of Current BMPs

BMP	Description	Implementation	Measurable Goal	Goal Met
Website: Support of regional stormwater website	Information purposes.	The site was developed by ACOG and it is supported by Oklahoma County.	Basic information about stormwater management posted. Website address: http://www.acogok.org/Programs_and_Services/Water_Resources/Storm_Water.asp	YES
Brochure: Water quality impacts from urban stormwater	A brochure created by ACOG that discusses water quality impacts from urban stormwater runoff.	Oklahoma County has brochures on display and available to the public.	Our goal was to distribute 50 brochures.	YES
Brochure: Household Chemical Disposal options and recycling and re-use benefits.	A brochure created by Oklahoma County in conjunction with Midwest City to promote recycling of household hazardous waste.	Oklahoma County has brochure on display and available to the public.	Our goal was to distribute 50 brochures.	YES

The table above shows the BMPs for Oklahoma County that were accomplished during this reporting period. We will continue to implement these BMPs in the future.

Oklahoma County continues to support the ACOG storm water website. Contact information and pertinent storm water information and links are available on the website. The website will be maintained with pertinent information annually. Oklahoma County will continue to produce and deliver brochures to be handed out with building permits, through other County offices, and any special events.

Oklahoma County is currently looking into creating a quarterly or biannual newsletter that would be sent to subdivisions in unincorporated Oklahoma County. The newsletters would provide information about household hazardous waste and where Oklahoma County citizens can drop off their household hazardous waste.

MCM-2 Public Involvement and Participation

Table of Current BMPs

BMP	Description	Implementation	Measurable Goal	Goal Met
Pollutant Collection: Promote the use of and support regional household pollutant collection events.	We continue to partner with Midwest City to have people dispose of household hazardous waste at their facility. Midwest City charges Oklahoma County based on the amount of waste brought by people in our jurisdiction each year.	Collection of household hazardous waste at the mobile unit or their permanent facility.	Collection of at least five pounds of household hazardous waste.	YES
Recycling: Promote the use of and support of the recycling and the SWMP.	Continued support of Midwest City's permanent facility and mobile unit.	The County is, and continues to be, a partner with Midwest City.	No activity to measure.	YES
Brochure: Household hazardous waste and non-point source pollution.	Created a brochure to assist the general public understand household hazardous waste, non-point source pollution and proper disposal of household products.	Distribution of Household Hazardous Waste Recycling, Reuse, and Facility Brochure.	Distributed 50 brochures to public and is on display for the public.	YES

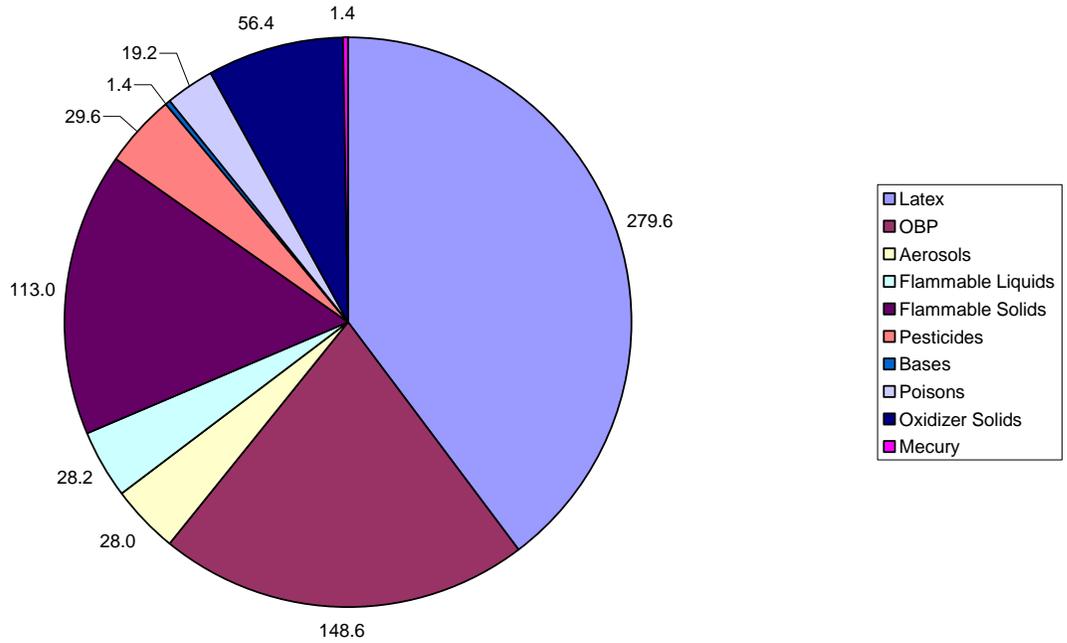
The table above shows the BMPs for Oklahoma County that were accomplished during this reporting period. We will continue to implement these BMPs.

Oklahoma County Planning Department will continue to speak to the Board of County Commissioners about the SWMP during public meetings to give them updates and necessary assistance with the SWMP. Oklahoma County will assist in the establishment of Annual Household Hazardous Waste Collection events, through Midwest City, for various member communities. This BMP will be considered a success if a minimum of one Annual Household Hazardous Waste Collection event is held annually. The amount and types of household hazardous waste collected will be used to determine the degree of success for this BMP. Collection of household hazardous waste is a successful BMP by properly disposing of chemicals that traditionally are dumped down sanitary sewer drains and storm drains. This program will be coordinated with the help of Midwest City.

Through our continued support of Midwest City and the mobile unit collection events from December 2007 through December 2008 Oklahoma County residents brought a total of 712.6 pounds of Household Hazardous Waste to Midwest City's recycling center.

A pie chart has been created to show the amount of each type of waste that was recycled during 2008.

Amount of Household Hazardous Waste being Recycled at Midwest City's Recycling Center



MCM-3 Illicit Discharge Detection and Elimination

Table of Current BMPs

BMP	Description	Implementation	Measurable Goal	Goal Met
Clean-Up Event: Household Hazardous Waste collection event.	Conduct household hazardous waste collection events annually.	Collection of household hazardous waste with the cooperation of Midwest City.	Collection of at least five pounds of household hazardous waste.	YES

Training: Water quality and regulations.	Water quality and effective regulations to promote better water quality.	Training was received by attending the tenth annual SW conference in Waco, TX and ASFPM Annual Conference.	20% of eligible staff attends.	YES
Enforcement: Take action to abate illegal sources.	Receive complaints and information from citizens and county crews concerning possible stormwater violations.	Report possible violations to ODEQ.	Continue monitoring violation until resolution.	YES
Mapping: Create a map that shows runoff into Harrah Creek.	Oklahoma County will develop a map. Once completed, this map will aid the County in targeting outfalls with dry weather flows and other suspicious discharges for more in-depth inspection and monitoring.	Creation of a Stormwater Map.	Necessary data collected and stormwater map created from that data.	NO – We have started data collection. This BMP will be complete in 2009.
Enforcement: Adopt regulation prohibiting illicit discharges.	Oklahoma County will adopt a regulation that focuses on illicit discharges, construction, and post-construction activities.	Creation of regulation to manage illicit discharges.	Adoption of a regulation to manage illicit discharges, by the Board of County Commissioners.	NO – We have hired a consultant and have begun assembling an illicit discharge regulation. This BMP will be complete in 2009.
Dry Weather Screening: Survey 50% of the urbanized area in Oklahoma County's jurisdiction.	Oklahoma County is conducting a DWFS program to detect illicit discharges and if any discharges are detected remediate those discharges.	Conduct Dry Weather Field Screening.	Survey 50% of the urbanized area in Oklahoma County's jurisdiction.	YES – We will continue this program in 2009 and survey the remainder of the area in Oklahoma County's jurisdiction.

The table above shows the BMPs for Oklahoma County that were accomplished during this reporting period. We will continue to implement these BMPs.

Oklahoma County has hired C.H. Guernsey & Company to write a regulation for Oklahoma County to regulate illicit discharges, construction, and post-construction activities. C.H. Guernsey & Company is also collecting GPS data to help create a map that depicts Oklahoma County's bar ditches and Harrah Creek (Oklahoma County discharges to Harrah Creek).

Oklahoma County is in the process of purchasing homes in the Crutchko Park Subdivision and demolishing the homes. The empty lots will be restored, and remain open space in perpetuity. This is a voluntary program to remove residents from harms way and reduce flood losses. Oklahoma County has demolished 16 homes at this time and as various phases of the project are approved and implemented, it is the goal to remove a total of 105 homes from the floodway. The removal of these homes is a substantial benefit to Crutchko Creek, which is an impaired water body. It is possible with the removal of these homes, the water quality of Crutchko Creek could improve dramatically.

MCM-4 Construction Site Storm Water Control

Table of Current BMPs

BMP	Description	Implementation	Measurable Goal	Goal Met
<p>Enforcement: Adopt regulation prohibiting illicit discharges.</p>	<p>Oklahoma County will adopt a regulation that focuses on construction activities.</p>	<p>Creation of regulation that manages construction activities.</p>	<p>Adoption of a regulation, to manage construction activities, by the Board of County Commissioners.</p>	<p>NO – We have hired a consultant and have begun assembling a construction stormwater control regulation. This BMP will be complete in 2009.</p>
<p>Inspection: Inspection of Construction sites.</p>	<p>Conduct inspections based upon current construction.</p>	<p>Inspect all new preliminary and finals plats for runoff before and after construction. We also inspect residential construction.</p>	<p>Site inspection of all final plats to ensure effectiveness. Make sure that runoff from residential construction is minimal.</p>	<p>YES</p>
<p>Inspection: Conduct inspections based upon incident reports and observations made by County crews and the public.</p>	<p>Daily or as needed, conduct inspections and correct sources.</p>	<p>Inspect all incidents as reported.</p>	<p>Compile number of incidents and compare it to previous years to see if there has been an increase or decrease in the number of incidents.</p>	<p>YES</p>

The table above shows the BMPs for Oklahoma County that were accomplished during this reporting period. We will continue to implement these BMPs. We are not adding any new BMPs for this MCM at this time for future years.

MCM-5 Post-Construction Storm Water Management

Table of Current BMPs

BMP	Description	Implementation	Measurable Goal	Goal Met
Enforcement: Adopt regulation prohibiting illicit discharges.	Oklahoma County will adopt a regulation that focuses on construction activities.	Creation of regulation that manages construction activities.	Adoption of a regulation that manage construction activities by the Board of County Commissioners.	NO – We have hired a consultant and have begun assembling a construction stormwater control regulation. This BMP will be complete in 2009.
Inspection: Inspection of construction sites after construction has been completed.	Conduct inspections based upon current construction.	Inspect all new preliminary and finals plats for runoff before and after construction. We also inspect residential construction.	Site inspection of all final plats to ensure effectiveness. Make sure that runoff from residential construction is minimal.	YES

The table above shows the BMPs for Oklahoma County that were accomplished during this reporting period. We will continue to implement these BMPs. We are not adding any new BMPs for this MCM at this time for future years.

MCM-6 Pollution Prevention and Good Housekeeping

Table of BMPs

BMP	Description	Implementation	Measurable Goal	Goal Met
Clean-Up Event: Household Hazardous Waste collection event.	Conduct household hazardous waste collection events annually.	Collection of household hazardous waste with the cooperation of	Collection of at least five pounds of household hazardous waste.	YES

		Midwest City.		
Enforcement: Take action to abate illegal sources.	Receive complaints and information from citizens and county crews concerning possible stormwater violations.	Report possible violations to ODEQ.	Continue monitoring violation until resolution.	YES
Training: Storage and disposal of chemicals at county operations.	Conduct training of County Road crews from each County Commissioner district about chemical disposal and stormwater.	Hold training sessions once or twice year for county road crews.	Inform county crews about water quality and the impact their daily activities have on water quality and how they can keep those impacts to a minimum.	NO – Training materials have been compiled. Training dates are in the process of being set.
Training: Water quality impacts and regulations.	Conduct training of County Road crews from each County Commissioner district about the County’s new regulations and the impact County activities have on water quality.	Hold training sessions once or twice year for county road crews.	Inform county crews about water quality and the impact their daily activities have on water quality and how they can keep those impacts to a minimum.	NO – Training materials have been compiled. Training dates are in the process of being set.
Training: Stormwater and county activities.	Conduct training of County Road crews from each County Commissioner district about the County’s impact on water quality.	Hold training sessions once or twice year for county road crews.	Inform county crews about water quality and the impact their daily activities have on water quality and how they can keep those impacts to a minimum.	NO – Training materials have been compiled. Training dates are in the process of being set.

The table above shows the BMPs for Oklahoma County that were accomplished during this reporting period. We will continue to implement these BMPs. The table below represents BMPs for the coming year.

Future BMPs for 2009

Oklahoma County will continue to evaluate, develop, and implement the Phase II Stormwater Management Plan for Oklahoma County. The County currently requires a stormwater drainage plan for all subdivision plats, industrial sites, and commercial sites. In addition, the County requires erosion control measures for all subdivision plats; staff inspects the erosion control measures to ensure that they were installed properly and are

adequate. Future BMP's will include a stormwater management review fee (if allowed by state statutes) and a stormwater management application form.

Table of Future BMPs for 2009

BMP ACTIVITY	SCHEDULE	MEASURABLE GOAL
Inspections: <i>County inspection of active construction sites</i>	FEBRUARY 2009: Prepare appropriate forms and procedures for inspections	Inspect all active construction sites to inspect for appropriate erosion control
Enforcement: <i>Take appropriate action to abate source</i>	AUGUST 2009: Prepare appropriate forms and procedures for abatement process	100% Complete
Inspections: <i>Conduct MS4 inspections to track chronic sources</i>	SEPTEMBER 2009: Prepare appropriate forms and procedures for inspection process	100% Complete
Inspections: <i>County inspection of construction sites after completion</i>	SEPTEMBER 2009: Prepare appropriate forms and procedures for inspection process	100% Complete
Brochure: <i>Continue distribution of educational materials</i>	DECEMBER 2009: Will evaluate the BMP to see if we achieved our goal.	50 of each brochure type distributed
Dry Weather Screening: <i>Continue screening for possible illicit discharges</i>	DECEMBER 2009: Will evaluate the BMP to see if we achieved our goal	Review 100% complete
Training: <i>Continue attending regional training</i>	DECEMBER 2009: Will evaluate the BMP to see if we achieved our goal.	20% of eligible staff and crew attend
Mapping: <i>Regional and Local MS4 system maps</i>	DECEMBER 2009: Will evaluate the BMP to see if we achieved our goal.	Updates 100% complete
Regulation: <i>Review usefulness of regulation and make changes as needed</i>	DECEMBER 2009: Will evaluate the BMP to see if we achieved our goal.	Review and update regulations
Recycling: <i>Promote use of and support regional recycling centers</i>	DECEMBER 2009: Will evaluate the BMP to see if we achieved our goal.	To collect 5 lbs. of waste.