

**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**

<b>BMP</b>	<b>Description</b>	<b>Implementation</b>	<b>Measurable Goal</b>	<b>Goal Met</b>
<b>Website:</b> 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: <a href="http://www.acogok.org/Programs_and_Services/Water_Resources/Storm_Water.asp">http://www.acogok.org/Programs_and_Services/Water_Resources/Storm_Water.asp</a>	<b>YES</b>
<b>Brochure:</b> 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.	<b>YES</b>
<b>Brochure:</b> 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.	<b>YES</b>

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 considering 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. Due to budgetary constraints, Oklahoma County has put the newsletter on hold at this time.

## MCM-2 Public Involvement and Participation

**Table of Current BMPs**

<b>BMP</b>	<b>Description</b>	<b>Implementation</b>	<b>Measurable Goal</b>	<b>Goal Met</b>
<b>Pollutant Collection:</b> 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.	<b>YES</b>
<b>Recycling:</b> 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.	<b>YES</b>
<b>Brochure:</b> 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.	<b>YES</b>

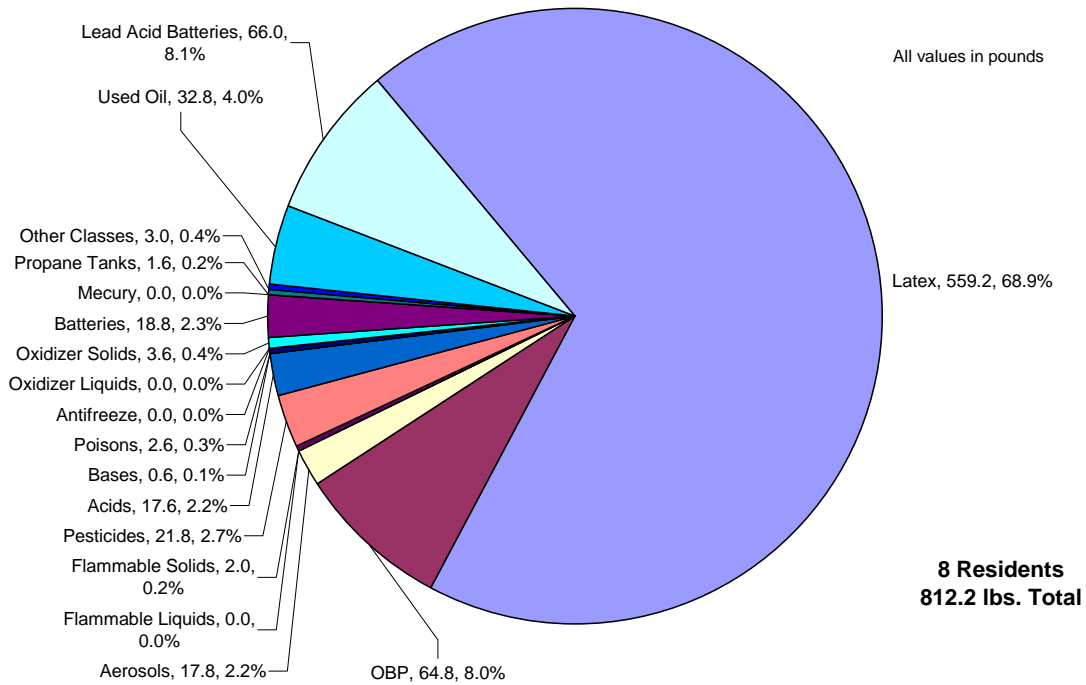
The table above shows the BMPs for Oklahoma County that were accomplished during this reporting period. We will continue to implement these BMPs.

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 2008 through December 2009 Oklahoma County residents brought a total of 812.2 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 2009.

**2009 Unincorporated Oklahoma County HHW Dropoff Chart**



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

**Table of Current BMPs**

<b>BMP</b>	<b>Description</b>	<b>Implementation</b>	<b>Measurable Goal</b>	<b>Goal Met</b>
<b>Clean-Up Event:</b> 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.	<b>YES</b>

<b>Training:</b> Water quality and regulations.	Water quality and effective regulations to promote better water quality.	Training was received by attending the ASFPM Annual Conference and the Central Oklahoma Storm Water Alliance Workshop held on Oct. 23, 2009.	20% of eligible staff attends.	<b>YES</b>
<b>Enforcement:</b> 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.	<b>YES</b>
<b>Mapping:</b> 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.	<b>YES</b>
<b>Enforcement:</b> 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.	<b>YES</b>
<b>Dry Weather Screening:</b> 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.	<b>YES</b> – All locations have been identified and evaluated.

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 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 possible dry-weather screening and possible monitoring points. C.H. Guernsey & Company also completed Oklahoma County's Stormwater Regulation that was approved by the Board of County Commissioners in August of 2009. Oklahoma County, in conjunction with C.H. Guernsey & Company, completed the Oklahoma County Stormwater Map. It may have to be updated once the 2010 Census is complete.

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 17 homes at this time, and as various phases of the project are approved and implemented, it is the goal to remove approximately 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, the water quality of Crutchko Creek could improve dramatically, with the removal of these homes.

### MCM-4 Construction Site Storm Water Control

**Table of Current BMPs**

<b>BMP</b>	<b>Description</b>	<b>Implementation</b>	<b>Measurable Goal</b>	<b>Goal Met</b>
<b>Enforcement:</b> 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, to manage construction activities, by the Board of County Commissioners.	<b>YES</b>
<b>Inspection:</b> Inspection of Construction sites.	Conduct inspections based upon current construction.	Inspect all new preliminary and final 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.	<b>YES</b>
<b>Inspection:</b> Conduct inspections based upon incident reports and observations made by County crews and the public.	Daily or as needed, conduct inspections and correct sources.	Inspect all incidents as reported.	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.	<b>YES</b>

The table above shows the BMPs for Oklahoma County that were accomplished during this reporting period. We will continue to implement these BMPs. During this reporting period Oklahoma County has been given statutory authority to write citations for stormwater, zoning, and building code violations. There have been no known stormwater



violations during this reporting period and Oklahoma County will continue to enforce these regulations.

### MCM-5 Post-Construction Storm Water Management

**Table of Current BMPs**

BMP	Description	Implementation	Measurable Goal	Goal Met
<b>Enforcement:</b> 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.	<b>YES</b>
<b>Inspection:</b> 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.	<b>YES</b>

### MCM-6 Pollution Prevention and Good Housekeeping

**Table of BMPs**

BMP	Description	Implementation	Measurable Goal	Goal Met
<b>Clean-Up Event:</b> 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.	<b>YES</b>
<b>Enforcement:</b> 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.	<b>YES</b>

<b>Training:</b> 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.	<b>YES</b> – Training was conducted on April 9, 2009.
<b>Training:</b> 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.	<b>YES</b> – Training was conducted on April 9, 2009.
<b>Training:</b> 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.	<b>YES</b> – Training was conducted on April 9, 2009.

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

### **Next Five Years for Oklahoma County’s Stormwater Plan**

Oklahoma County will continue to evaluate, develop, and implement the Phase II Stormwater Management Plan for Oklahoma County. Once we receive direction from the Oklahoma Department of Environmental Quality we will develop Oklahoma County’s Stormwater Plan for the next five years. On the next few pages are Oklahoma County’s year-by-year implementation schedule from the previous five years. Oklahoma County staff feels that these BMP activities have been accomplished to the best of our ability.