

## Small MS4 Annual Report Form

Please refer to the attached instructions as you prepare your annual report.

### A. General Information

Name of MS4: Maricopa County

Contact Name: Stan Snitzer

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Annual Report Period:  December 19, 2002 – June 30, 2004  July 1, 2004 – June 30, 2005  July 1, 2007 – June 30, 2008  
 July 1, 2005 – June 30, 2006  July 1, 2006 – June 30, 2007  July 1, 2008 – June 30, 2009

### B. SWMP Modifications and Additional Information. Attach a brief explanation if you check “yes” to any of the following statements.

- |   |   |  |
|---|---|--|
| 1. Changes have been made or are proposed to the SWMP since the last annual report, including changes in response to ADEQ’s review. | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/>            |
| 2. The MS4 has annexed lands.   | YES <input type="checkbox"/>            | NO <input checked="" type="checkbox"/> |
| 3a. The MS4 discharges directly to an impaired water.   | YES <input type="checkbox"/>            | NO <input checked="" type="checkbox"/> |
| 3b. A water within 10 miles of the MS4’s jurisdiction has been identified as impaired.  | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/>            |
| 4a. The MS4 discharges directly to water for which a TMDL has been established.   | YES <input type="checkbox"/>            | NO <input checked="" type="checkbox"/> |
| 4b. A TMDL has been established for a water within 10 miles of the MS4’s jurisdiction.  | YES <input type="checkbox"/>            | NO <input checked="" type="checkbox"/> |
| 5. The MS4 has conducted analytical monitoring of stormwater quality.   | YES <input type="checkbox"/>            | NO <input checked="" type="checkbox"/> |
| 6. The MS4 is relying on another government entity to satisfy some permit obligations.  | YES <input type="checkbox"/>            | NO <input checked="" type="checkbox"/> |

**C. Stormwater Management Program Status.** Provide the status of every BMP and measurable goal in your SWMP as described in the instructions.

**TABLE 1**

Minimum Control Measure(s)	BMP	Measurable Goal (steps to measure progress)	New or Revised	Start Date	Implementation Status/ Frequency/ Achievement Date (completed, in progress, not started)
<p><b>MCM 1: Public Education and Outreach</b></p>	<p><u>BMP 1.</u> Develop and maintain a targeted education plan</p>	<p>Residents of County targeted for educational printed material and PSA's and interviews via radio in cooperation with STORM organization. Distributed public educational events (Maricopa County Home and Garden Show, Tres Rios Nature Festival, Earth Day at the Zoo, etc) Had direct contact and discussions of stormwater related issues with 1,000 people. Did local radio 30 minute interview on Stormwater and homeowner practices to prevent pollution which aired in August-September of 2008. Reached and audience of more than 2 million local residents. Did classroom presentations and EnviroScape model; spoke to 120 children at local</p>	<p>NO</p>	<p>Started in 2006</p>	<p>In progress under permit extension by ADEQ. Will continue to attend public educational events and do classroom presentation during the next reporting period.</p>

		<p>elementary schools. Initiated development of a new SWMP with measurable goals in 2008 and submitted to ADEQ in 2009. Awaiting possible ADEQ response regarding the goals. With the addition of full-time public education/outreach and participation staff in spring of 2009.</p>			
	<p><u>BMP 2.</u> Procure, obtain, and distribute stormwater educational materials to County residents</p>	<p>Continuing distribution of the County's <u>After the Storm</u> and the <u>Solution to Stormwater Pollution!</u> Documents. Developed and began distribution of a new Maricopa County Stormwater brochure, Developed Maricopa County Stormwater Fact Sheet Series (pet care, lawn care, vehicle care, home repair, food service industry, construction industry, auto repair industry; Distributed other printed materials (coloring books, book marks, STORM brochures, EPA brochures. Distributed approximately 1,700 pieces of printed Stormwater related materials. Continued distribution of stormwater brochures at County offices and public buildings. Obtained and distributed over 950 Maricopa County promotional</p>	NO	2006	<p>In progress. Distribution of promotional items will continue during the next reporting period.</p>

		<p>items (pet waste containers, Frisbees, clips) with stormwater related message. Distributed STORM promotional items (wrist bands, magnets, clips). Contributed to the development of a Stormwater pollution prevention message which was seen in local movie theaters during the spring of 2009. Continuing to develop a new PSA to air on local radio stations.</p>			
	<u>BMP 3.</u> Maintain and update Stormwater website	<p>Continued to update the County's Stormwater website. A new website address <a href="http://www.Maricopa.gov/Stormwater">www.Maricopa.gov/Stormwater</a> Now provides Stormwater Program information.</p>	NO	2003	In progress.
<b>MCM 2: Public Involvement/Participation</b>	<u>BMP 1.</u> Compliance with public notice requirements.	<p>Developed legislation which resulted in the creation of ARS 48-371 setting forth public notice requirements for Phase II Counties when considering county stormwater regulations. The legislation went in to effect on 9/26/2008. Maricopa announced a series of 2 stakeholder meetings during the spring of 2009 to seek participation in the writing of the new Maricopa County</p>	No	2007	In progress -will host an annual public workshop to receive any feedback on program.

		Stormwater Quality Management and Discharge Regulation. 30 Stakeholders attended. The Maricopa County Stormwater Regulation was published in the Arizona Administrative Register by the Secretary of State with the announcement of a May 2009 public hearing to be held by the County Board of Supervisors . Stakeholder comment was heard by the Board of Supervisors. Developed and distributed stormwater surveys at public events and at County owned buildings. Received over 100 responses. Provided written responses back to public on comments received about new regulation.			
	<u>BMP 2.</u> Facilitate volunteer trash pickup events within Maricopa County	Distributed STORM and Maricopa County dog liter pickup bags to new dog owners adopting via the County's adoption center and to the general public. About 1500 "Bags On Board" dispensers were handed out. Remaining supply to be distributed at special events.	No	2007	In progress.
	<u>BMP 3.</u> Public hearing on the SWMP	The Maricopa County Stormwater Regulation was published in the Arizona Administrative Register by the	NO	2007	In progress. Will have an annual public workshop/

		Secretary of State with the announcement of a May 2009 public hearing to be held by the County Board of Supervisors . Stakeholder comment was heard by the Board of Supervisors.			meeting. First one will be August 27, 2009.
	<u>BMP 4.</u> Public hearing and annual Board of Supervisors update on Stormwater Program.	Public hearing was held at the Maricopa County Board of Supervisors regarding the Maricopa County Stormwater Quality Management and Discharge Control Regulation. The Maricopa County Stormwater Regulation was published in the Arizona Administrative Register by the Secretary of State with the announcement of a May 2009 public hearing to be held by the County Board of Supervisors. The Regulation was adopted in May of 2009 and went in effect in June of 2009.	NO	2007	Completed.
<b>MCM 3: Illicit Discharge Detection and Elimination</b>	BMP 1. Development of a County regulation prohibiting illicit discharges to the stormwater system.	Culminating a two year effort, the Maricopa County Stormwater Quality Management and Discharge Regulation was enacted by the County Board of Supervisors becoming an enforceable regulation during June of 2009. A portion of that regulation specifically covers the prohibition of illicit or certain	NO	2007	Completed.

		non-storm waters to the County's stormwater system. A copy of that regulation is available on the Web at <a href="http://www.maricopa.gov/stormwater">www.maricopa.gov/stormwater</a> .			
	BMP 2. Outfall inspection program.	Hired and trained 1 inspector to perform outfall inspections. Training was both –n-office and in-field. The Stormwater Quality Program developed a new outfall inspection and resource inventory checklist and database.	NO	January 2009	In progress. Will continue to inspect outfalls within the County's jurisdiction.
	BMP 3. Development of a storm sewer map showing all outfalls.	County inspector now assigned to map outfalls received instruction and training on outfall detection and use of global positioning equipment to help document the outfall locations when utilizing a GIS mapping approach.	NO	January 2009	In progress. Using new maps updated to show most recent jurisdictional changes due to municipal annexations.
	BMP 4. Develop and distribute illicit discharge educational materials.	Continuing to develop and distribute educational materials on prevention of illicit discharges. In 2009 developed and distributed approximately 1,700 pieces of Maricopa County stormwater brochure and stormwater fact sheet series (pet care, lawn care, vehicle care, home repair, food service industry, construction industry, auto repair industry.)	NO	2006	In progress. Will continue to distribute educational materials during the next reporting period.
	BMP 5. Develop and	Established complaint receipt	NO	2007	In progress.

	implement complaint receipt procedures.	procedures with the Complaints program of the County Environmental Services Department. The complaint line telephone number is 602-506-6616. Stormwater quality issues complaints are routed to the Stormwater program.			
<b>MCM 4: Construction Site Stormwater Runoff Control</b>	BMP 1. Evaluate existing County programs, policies & regulations that address stormwater runoff from construction sites and update regulations as needed.	Evaluated lack of authority from State of Arizona to accomplish goals. Developed legislation to take effect on 9/26/2008 establishing ARS 48-371 giving clear authority for a county to have a stormwater program and have specific regulations. The Maricopa County Stormwater Quality Management and Discharge Regulation was enacted by the County Board of Supervisors becoming an enforceable regulation during June of 2009. A portion of that regulation specifically regulates stormwater runoff from construction sites to prohibit pollution from those sites from entering the County's stormwater system. The Maricopa County Stormwater Quality Management and Discharge Control Regulation	NO	2006	Completed action establishing the regulation. The regulation will be subject to continuing reviews and updates as necessary.

		<p>was passed and adopted on 06-May-09 and did not take effect until 08-Jun-09, as referenced in Chapter 13 (page 24) of said Regulation. Maricopa County did not have sufficient authority to regulate construction activities in its jurisdiction until after this Regulation had been approved. In the time between 08-Jun-09 and 30-Jun-09, zero Stormwater applications were received and zero construction site inspections were conducted. A copy of that regulation is available on the Web at:</p> <p><a href="http://www.maricopa.gov/stormwater">www.maricopa.gov/stormwater</a></p>			
	BMP 2. Review and update if necessary Maricopa County construction site BMP manual.	<p>Revised Maricopa County's Drainage Policies and Design Manual to include "First Flush" requirements in 2003. Reviews of the Construction site BMP manual are ongoing.</p>	NO	2003	In progress.
	BMP 3. Review existing County program policies and procedures for plan review.	<p>After a review initiated in 2006 culminating in the establishment of ARS 49-371, county's had clear authority to and establish cost recovery fees for performance of reviews of stormwater site plans for construction. The Maricopa County Stormwater Quality Management and</p>	NO		Completed.

		Discharge Regulation was enacted by the County Board of Supervisors becoming an enforceable regulation during June of 2009. A portion of that regulation specifically establishes cost recovery fees for performance of construction site plan reviews as required by the County's stormwater permit from the Arizona Department of Environmental Quality. A copy of that regulation is available on the Web at <a href="http://www.maricopa.gov/stormwater">www.maricopa.gov/stormwater</a>			
	BMP 4. Evaluate existing County inspection programs such as dust control and drainage administration program policies and procedures for utilization/coordination with construction site inspection.	Reviews of county procedures in the Air Quality and Planning and Development departments have lead to cooperation in regards to data sharing via the County's One-Stop-Shop program. Further development of new IT technologies are presently being explored as resources to be used with regards to construction site issue alerts. The Stormwater Quality Program will have a full-time construction site inspector in place during FY10.	NO	2006	In progress.
	BMP 5. Develop and implement complaint receipt procedures.	Established complaint receipt procedures with the Complaints program of the County Environmental	NO	2007	In progress.

		Services Department. The complaint line telephone number is 602-506-6616. Stormwater quality issues complaints are routed to the Stormwater program.			
	BMP 6. Development of community educational materials.	Updated the Stormwater Quality website with application/approval information for construction projects within the County and posted educational material on website. Continuing to update the County's Stormwater website with new materials as they are developed. A new website address established in 2009 is; <a href="http://www.Maricopa.gov/Stormwater">www.Maricopa.gov/Stormwater</a> .	NO	2003	In progress. Website will be periodically updated with new information.
<b>MCM 5: Post-Construction Stormwater Management</b>	BMP 1. Evaluate existing County regulations to address post-construction runoff	Evaluated lack of authority from State of Arizona to accomplish goals. Developed legislation to take effect on 9/26/2008 establishing ARS 48-371 giving clear authority for a county to have a stormwater program and have specific regulations. The Maricopa County Stormwater Quality Management and Discharge Regulation was enacted by the County Board	NO	2007	Completed.

		of Supervisors becoming an enforceable regulation during June of 2009. A portion of that regulation specifically regulates stormwater runoff from post-construction activities or sites to prohibit pollution from those sites from entering the County's stormwater system. A copy of that regulation is available on the Web at <a href="http://www.maricopa.gov/stormwater">www.maricopa.gov/stormwater</a>			
	BMP 2. Develop and adopt technical guidance materials.	Initiated research in development of post-construction technical guidance materials with references being posted on the Stormwater Quality Website. Developed the latest guidance materials or references for the website in 2009. The new Maricopa County Stormwater Quality Management and discharge Control regulation also adopts by reference the Maricopa County Grading and Drainage policies and design manual which provide technical guidance. Additional guidance is available at the Stormwater Quality Program's website at <a href="http://www.Maricopa.gov/Stormwater">www.Maricopa.gov/Stormwater</a>	NO	2006	In progress.
	BMP 3. Evaluate	After a review initiated in 2006			Completed.

	existing policies and procedures for plan review.	culminating in the establishment of ARS 49-371, county's had clear authority to and establish cost recovery fees for performance of reviews of stormwater site plans for post-construction. The Maricopa County Stormwater Quality Management and Discharge Regulation was enacted by the County Board of Supervisors becoming an enforceable regulation during June of 2009. A portion of that regulation specifically establishes cost recovery fees for performance of post-construction site plan reviews as required by the County's stormwater permit from the Arizona Department of Environmental Quality. A copy of that regulation is available on the Web at <a href="http://www.maricopa.gov/stormwater">www.maricopa.gov/stormwater</a>			
	BMP 4. Evaluate existing inspection and enforcement program for site development and modify as necessary to address post construction runoff controls.	Reviews of County procedures in the environmental Services Department, Air Quality and Planning and Development departments regarding inspections and enforcement have lead to cooperation in regards to data sharing via the County's One-Stop-Shop program. Further development	NO	2006	In progress. Integration of County One-Stop-Shop resources is being researched.

		of new IT technologies are presently being explored as resources to be used with regards to post-construction site issue alerts. The Stormwater Quality Program will have a full-time construction and post-construction site inspector in place during FY10.			
	BMP 5. Create and distribute educational materials for the development community.	Updated Stormwater website with application/approval information for post-construction within the County and informational links submitted to IT for implementation. A new website address established in 2009 is; <a href="http://www.Maricopa.gov/Stormwater">www.Maricopa.gov/Stormwater</a>	NO	2006	In progress.
<b>MCM 6: Pollution Prevention/Good Housekeeping</b>	BMP 1. Evaluate street sweeping practices	The County routine sweeps streets to remove possible sources of stormwater contamination. The Maricopa County Department of Transportation swept 6329 miles in the un-incorporated areas of Maricopa County during FY09.	NO	2006	In progress. Will continue to receive data from MCDOT for miles swept quarterly and annually.
	BMP 2. Develop and implement County pollution prevention program.	Established coordination with the County's Departments of Risk Management and Facilities Management. Maricopa County currently owns and/or operates 240	NO	2007	In progress. Coordination with all county departments involved in pollution

		facilities. Spill prevention, control and containment (SPCC) training was conducted in several county departments. Initiated a plan for a risk assessment of county facilities and practices which is in-progress during FY09. As a part of development of a pollution prevention educational plan the Stormwater Quality Program distributed a stormwater quality survey to Environmental Services employees and reviewed the responses..			prevention relative to Stormwater Quality is on-going.
	BMP 3. Development of a centralized County-wide employee training program regarding pollution prevention.	Beginning in 2006, research was performed to determine appropriate methods by which County-wide employee training might be economically accomplished. Stormwater pollution prevention educational VHS videos were purchased during 2006. The Stormwater training videos are currently available for County employees but the VHS format will need to be phased out. A special stormwater quality training module for inclusion in County on-line training program is currently under development. During 2009, 118 employees of	NO	2006	In progress. Will implement video check-out system for County departments.

		Environmental Services, Flood Control, and Planning and Development departments received stormwater, illicit discharge, and erosion control training. New educational materials are being researched including those available from the USEPA's website on Stormwater Quality. The website also provides information regarding employee training presentation and field instruction.			

Note: If you have developed a stormwater ordinance during the last reporting period, include a description or citation of the ordinance, or simply attach a copy of the ordinance.

**D. Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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 \_\_\_\_\_  
Date

John Kolman  
Name (printed)

Director, Maricopa County Environmental Services Department  
Title