

ANNUAL REPORT FORM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) GENERAL PERMIT



GENERAL PERMIT: MSRMS4 0 3 1. This coverage number must be completed for the referenced MS4 or this form will be considered incomplete and will be returned. The coverage number can be found at the bottom left corner of your Certificate of Coverage.

This report covers MS4 Storm Water Management Program activities occurring during calendar year (type "X" in box next to year):

2009 (Year 1)

2010 (Year 2)

2011 (Year 3)

2012 (Year 4)

2013 (Year 5)

INSTRUCTIONS

Please use this form to satisfy the reporting requirements of ACT7, S-2 of the MS4 General Permit. Use of another form/format or failure to fully complete any section of this Annual Report Form may result in agency review delays or notifications of MS4 non-compliance. If a particular part or section is not applicable to your MS4, fill in as "N/A".

Coverage recipients are encouraged to utilize the electronic version of this form, which allows the data fields in the following tables to be expanded to contain all of the required information. The electronic form is available in the MS4 section of MDEQ's General Permits webpage at: http://www.deq.state.ms.us/MDEQ.nsf/page/epd_epdgeneral

The submittal of the fifth and final Annual Report (due no later than January 28, 2013) shall be deemed to be a notification of the MS4's intent to be covered by the subsequently issued MS4 General Permit, provided the Annual Report is signed by a principal executive officer or ranking elected official according to ACT9, T-5 of this permit.

Do **NOT** include any attachments **EXCEPT** for those specifically requested in this form. Supporting documentation for annual reports should be maintained with the SWMP and should be available for review during periodic MDEQ inspections and audits.

ALL BMPs OF EACH MINIMUM MEASURE MUST BE LISTED IN THE ORDER THEY APPEAR IN THE SWMP.

MS4 INFORMATION

MS4 NAME: Madison County

MS4 MAILING ADDRESS: P.O. Box 608 CITY: Canton ZIP: 39046

MS4 COUNTY: Madison

PRIMARY LOCAL CONTACT NAME (responsible for storm water program implementation): Mark Houston

CONTACT'S TITLE: County Administrator OFFICE PHONE: (601) 855-5581

E-MAIL ADDRESS (local contact): mark.houston@madison-co.com

SECTION I: SUMMARY OF IMPLEMENTATION ACTIVITIES BY MINIMUM MEASURE AND BEST MANAGEMENT PRACTICE

ACT7, S-2 of the MS4 General Permit requires the coverage recipient is to annually summarize the progress made in implementing the conditions of the permit and the elements of the Storm Water Management Program (SWMP). Complete the following tables for each of the six SWMP minimum measures.

The **Comments** column should contain details regarding the steps that have been taken to implement the BMP. For those BMPs checked as not being in compliance, the **Comments** column should also contain an explanation for the non-compliance and an action plan/schedule for achieving compliance.

A. Public Education:

Best Management Practice	Measurable Goal	In Compliance?		Date Completed (If not, date to be completed)	Comments	Responsible Individual (Name or Job Title)
		Yes	No			
BMP 1	Storm Water Education for local citizens/ developers/engineers and restaurant owners	X		Nov. 16, 2011 June, 2011	Meetings were held in Madison County Boardroom to help educate citizens on the Madison County SWMP Brochures and online information for local citizens & students	Butch Hammack, Warnock & Assoc.,
		X		Throughout 2013		
BMP 2	Work with local environmental and storm water protection agencies to offer presentations and events to support storm water education for local schools	X		2011	School officials gave presentations in early 2011 per Mike Kent and Butch Hammack	Butch Hammack, Warnock & Assoc.,

SECTION I (continued):

B. Public Involvement:

Best Management Practice	Measurable Goal	In Compliance?		Date Completed (If not, date to be completed)	Comments	Responsible Individual (Name or Job Title)
		Yes	No			
BMP 1	Notice of public meeting for new/updated SWMP	X		Fall 2009	Gave public notice in Madison County Herald of meeting to consider new plan	Warnock & Assoc.
BMP 2	Held meeting to receive public input for new plan	X		Fall 2009	Held meeting, received input and adopted ordinance	Warnock & Assoc.
BMP 3	Storm Drain Marking	X		Winter 2013	Marked 75% of storm drains	Scott Weeks

SECTION I (continued):

C. Illicit Discharge Detection and Elimination:

Best Management Practice	Measurable Goal	In Compliance?		Date Completed (If not, date to be completed)	Comments	Responsible Individual (Name or Job Title)
		Yes	No			
BMP 1	Storm Drain System Map	X		2012	All developers/builders are required to submit drawings to the County in order to update County Storm Drain System Map	Kay Little, Warnock & Assoc.
BMP 2	Identified Illicit Discharges	X		Throughout 2013	Districts 4 & 5 illicit discharges were detected and eliminated. Continue to inspect districts 1 through 5	Lawrence Morris, Warnock & Assoc.
BMP 2	Eliminate Illicit Discharges	X		2012	Eliminated all detected Illicit Discharges	Brad Sellers, Road Dept.
BMP 3	Identify failing septic systems	X		2012	Identified septic systems	Lawrence Morris, Warnock & Assoc.
BMP 4	Identify Illegal Dumping Areas	X		Throughout 2013	Identified illegal dumping areas	Road Dept.
BMP 5	Inform County employees, the public and businesses on illegal dumping	X		2010	Website created to contain list of all areas where illegal dumping was discovered	Duane Thompson, Warnock & Assoc.
BMP 6	Ordinance	X		2012	Storm water ordinance was approved and currently working on updates to development regulations	Warnock & Assoc. and Brad Sellers

Provide the following information for illicit discharges detected within your MS4 during the reporting period for this Annual Report.

Number of Illicit Discharges Detected: N/A

Number of Illicit Discharges Eliminated: N/A

SECTION I (continued):

D. Construction Site Storm Water Runoff Control:

Best Management Practice	Measurable Goal	In Compliance?		Date Completed (If not, date to be completed)	Comments	Responsible Individual (Name or Job Title)
		Yes	No			
BMP 1	Training of County Personnel & Contractors	X		Ongoing	Educated Construction Inspectors using MDEQ materials	Scott Weeks
BMP 2	Mandatory Pre-Const. meetings/review of Const. Plans	X		Throughout 2013	On all LPA projects, preliminary meetings were held and all development construction plans were reviewed prior to commencement of construction	Warnock & Assoc.
BMP 3	Construction Site Storm Water Runoff Control Permit	X		2012	County required all developers to have LCNOI and/or approved SWPPP	Brad Sellers, Warnock & Assoc.
BMP 4	Periodic Inspections	X		Ongoing each year	Residential/Commercial Const. Sites are inspected at designated stages	County Building Inspectors
					Subdivision Const. inspected periodically for erosion control measures	Scott Weeks
BMP 5	Ordinance	X		January 2010	New comprehensive Ordinance adopted	Rudy Warnock

Provide the following information for construction projects permitted within your MS4 during the reporting period for this Annual Report.

Project Category	Number of Projects	Number and Type of Inspections	Number and Type of Enforcement Actions Taken
Small Construction (1- 5 Acres)	489	6 per job Total 2,934	Approx. 15% Stop work, warnings, etc.
Large Construction (> 5 Acres)	34	Approx. 6 per job Total 204	N/A

SECTION I (continued):

E. Post-Construction Storm Water Management in New Development and Redevelopment:

Best Management Practice	Measurable Goal	In Compliance?		Date Completed (If not, date to be completed)	Comments	Responsible Individual (Name or Job Title)
		Yes	No			
BMP 1	Develop a program to maintain structural BMP's	X		2012	Developers/builders are required to issue a performance bond or letter of credit to help fund, develop and maintain structural BMP's	Brad Sellers, Warnock & Assoc.
BMP 2	Hold annual post-const. field inspections until all Bonds or Letters of Credit are cleared by the County	X		Throughout 2013	Reviews storm water detention basins, green spaces and drainage easements in subdivision prior to releasing Bonds and Letters of Credit	Scott Weeks
BMP 3	Regulate and enforce the adopted Ordinance in regards to Post-Const. Runoff Control	X		Throughout 2013	After inspection of problematic detention basins, green spaces and drainage easements, developer was notified and actions were taken by developer to correct problem	Scott Weeks
BMP 4	Education for developers/ public	X		2012	Meetings were held in Madison County Boardroom to help educate developers as well as information provided by the County on post construction practices	Brad Sellers, Warnock & Assoc.
BMP 5	Assess Fee	X		2012	See page 12 for method used, and proposed changes	Brad Sellers, Warnock & Assoc.

SECTION I (continued):

E. Post-Construction Storm Water Management in New Development and Redevelopment (continued):

Provide the location and type of post-construction management practices installed at new development and redevelopment projects within your MS4 during the reporting period for this Annual Report. Location description should include the subdivision/project name, along with a physical address, latitude/longitude coordinates or site directions.

Location of Post-Construction Management Practice	Type of Management Practice (i.e., detention basin, manufactured system, etc.)
Ashbrooke Subdivision DeWees Road, Madison County, MS	Detention Ponds Green/Open Space Areas Lake
The Vision Moss Road, Madison County, MS	Detention Ponds Green/Open Space Areas Lake
Still House Creek Catlett Road, Madison County, MS	Detention Ponds Green/Open Space Areas
Hatheway Lake Stribling Road Ext., Madison County, MS	Detention Ponds Green/Open Space Areas Lake
Whitney's Ridge Clarkdale Rd., Madison County, MS	Detention Ponds Green/Open Space Areas Lake
Grayhawk Subdivision Stribling Rd. Ext., Madison County, MS	Detention Ponds Green/Open Space Areas Lake
Charlton Place Hwy 22, Madison County, MS	Detention Ponds Green/Open Space Areas Lake
Timber Ridge of Wellington Stribling Rd. Ext., Madison County, MS	Detention Ponds Green/Open Space Areas Lake
Falls Crossing Catlett Road, Madison County, MS	Detention Ponds Green/Open Space Areas Lake

Long Leaf Lake Castle Road, Madison County, MS	
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SECTION I (continued):
F. Pollution Prevention/Good Housekeeping for Municipal Operations:

Best Management Practice	Measurable Goal	In Compliance?		Date Completed (If not, date to be completed)	Comments	Responsible Individual (Name or Job Title)
		Yes	No			
BMP 1	Training of County Personnel	X		Ongoing	Educated County Personnel using videos on proper prevention and housekeeping	Lawrence Morris, Warnock & Assoc.
BMP 2	Improvements in County Operations	X		Ongoing		Lawrence Morris, Warnock & Assoc.
BMP 3	Inspection of County Facilities	X		Throughout 2013	Madison County Road Dept. continuously checks and maintains all facilities	Lawrence Morris
BMP 4	Establishment of a Storm Water Pollution Prevention Plan for County Facilities and Activities	X		2010	A SWPPP was established in 2010 for Madison County	Warnock & Assoc.

SECTION II: ASSESSMENT OF THE APPROPRIATENESS OF BMPs

ACT7, S-2(1) of the MS4 General Permit requires the coverage recipient to assess the appropriateness of its BMPs in achieving the identified measurable goals for each of the minimum control measures. List each BMP adopted by the MS4 and rate its appropriateness. For BMPs rated “Inappropriate” or “Minimally Appropriate”, the MS4 should outline proposed changes to the program in Section IV of this form to address the deficiencies.

NOTE: Use the following codes for Minimum Measure ID: Public Education – **PE**; Public Involvement – **PI**; Illicit Discharge Detection and Elimination – **ID**; Construction Site Runoff Control – **CS**; Post-Construction Storm Water Management – **PC**; Pollution Prevention/Good Housekeeping - **PP**

Minimum Measure ID	Best Management Practice	We Consider the Listed BMP Appropriate to the Following Degree			
		Inappropriate	Minimally Appropriate	Good	Superior
PE	Storm Water education for local citizens, developers, engineers and restaurant owners			X	
PE	Working with local environmental and storm water protection agencies to offer presentation and events to support storm water education for local schools		X		
PI	Hold public meetings to receive input on the implementation of the program		X		
PI	Regulate and enforce current ordinance(s) adopted by Madison County. Public input in compliance with updating of ordinances.			X	
PI	Marking of storm drains, stream clean up and monitoring			X	
ID	Storm drainage system map			X	
ID	Identify illicit discharge connections through dry weather screening of streams to help eliminate illicit discharge			X	
ID	Identify failing septic systems			X	
ID	Identify illegal dumping areas			X	
ID	Provide county employees, the public and businesses a yearly report summarizing all illegal dumping activity discovered in conducted inspections			X	

Minimum Measure ID	Best Management Practice	We Consider the Listed BMP Appropriate to the Following Degree			
		Inappropriate	Minimally Appropriate	Good	Superior
ID	Ordinance			X	
CS	Training county personnel and contractors			X	
CS	Mandatory pre-construction meetings/review of construction plans			X	
CS	Madison County issued Construction Site Storm Water Runoff Control Permit			X	
CS	Periodic inspections			X	
PC	Develop a program to maintain structural BMP's			X	
PC	Hold annual post construction field inspections until all bonds or letters of credit are cleared by Madison County			X	
PC	Education for developers and the public			X	
PC	Assess fee		X		
PP	Training of County personnel			X	
PP	Improvements in County operations			X	
PP	Inspection of County facilities			X	
PP	Establishment of Storm Water Pollution Prevention Plan for County facilities and activities			X	

SECTION III: SUMMARY OF STORM WATER ACTIVITIES PLANNED DURING THE NEXT REPORTING CYCLE

ACT7, S-2(3) of the MS4 General Permit requires the coverage recipient to summarize the storm water activities planned during the next reporting cycle of the permit term. The **Comments** column should contain details regarding the steps that will be taken to further implement the BMP.

NOTE: Use the following codes for Minimum Measure ID: Public Education – **PE**; Public Involvement – **PI**; Illicit Discharge Detection and Elimination – **ID**; Construction Site Runoff Control – **CS**; Post-Construction Storm Water Management – **PC**; Pollution Prevention/Good Housekeeping - **PP**

Minimum Measure ID	Best Management Practice	Measurable Goal	Comments	Responsible Individual (Name or Job Title)
PE	All	All Public Education BMP's will continue to be implemented annually	No BMP's will be phased	Rudy Warnock, Butch Hammack
PI	All	All Public Involvement BMP's will continue to be implemented annually	No BMP's will be phased	Rudy Warnock, Butch Hammack, Brad Sellers
ID	All	All Illicit Discharge BMP's will continue to be implemented annually	No BMP's will be phased	Rudy Warnock, Kay Little, Lawrence Morris, Duane Thompson, Brad Sellers
CS	All	All Construction Site Runoff BMP's will continue to be implemented annually	No BMP's will be phased	Rudy Warnock, Brad Sellers
PC	All	All Post Construction BMP's will continue to be implemented annually	No BMP's will be phased	Rudy Warnock, Brad Sellers,
PP	All	All Pollution Prevention/Good Housekeeping BMP's will continue to be implemented annually	No BMP's will be phased	Rudy Warnock, Lawrence Morris

SECTION IV: PROPOSED CHANGES TO THE STORM WATER MANAGEMENT PROGRAM

ACT7, S-2(4) and (5) of the MS4 General Permit require the coverage recipient to report proposed changes to BMPs or identified measurable goals that apply to the SWMP program elements. The MS4 should also include changes to address any BMPs listed as “Inappropriate” or “Minimally Appropriate” in Section II or this form.

The **Comments** column should contain details regarding the measurable goals to implement the BMP, a schedule of implementation and an indication if this is a new BMP being proposed.

NOTE: Use the following codes for Minimum Measure ID: Public Education – **PE**; Public Involvement – **PI**; Illicit Discharge Detection and Elimination – **ID**; Construction Site Runoff Control – **CS**; Post-Construction Storm Water Management – **PC**; Pollution Prevention/Good Housekeeping - **PP**

Minimum Measure ID	Best Management Practice	Previous Measurable Goal	Proposed New Measurable Goal	Comments	Responsible Individual (Name or Job Title)
PE	N/A	N/A	N/A	N/A	N/A
PI	N/A	N/A	N/A	N/A	N/A
ID	N/A	N/A	N/A	N/A	N/A
CS	N/A	N/A	N/A	N/A	N/A
PC	N/A	N/A	N/A	N/A	N/A
PP	N/A	N/A	N/A	N/A	N/A

SECTION V: CONTROL MEASURES PLANNED/IMPLEMENTED TO ADDRESS WASTELOAD ALLOCATIONS

ACT7, S-2(12) of the MS4 General Permit requires the coverage recipient to document all control measures being planned or implemented that may address the Wasteload Allocations (WLA) provisions of a Total Maximum Daily Load (TMDL) established for impaired receiving stream segments within the MS4 (if it is found that the MS4 must implement specific WLA provisions of a TMDL). The general permit also requires the MS4 to include an implementation schedule for all planned controls.

Approved TMDL / Water Body Name / Pollutant of Concern	Best Management Practice	Wasteload Allocation Details	Implementation Schedule
Bear Creek, Tilda Bogue/ Nutrients & Organic Enrichment, Low DO	Public Education/Involvement to help stop people from dumping in the storm sewer. Identify and eliminate any illicit discharge that could be flowing into creek. Pollution Prevention/Good Housekeeping to help recognize any problematic areas.	BMP's should be encouraged in the watershed areas to reduce TBODu, TP and TN loads from non-point sources.	Ongoing
Pearl River/ Pesticides	Public Education/Involvement to help educate people on pesticides and proper disposal. Identify and eliminate any illicit discharge that could be carrying pesticides into the creek. Construction & Post-Construction Runoff Control to ensure that no fertilizers/pesticides are leaving the site. Prevention/Good Housekeeping to help recognize any improper storage or problematic areas.	BMP's should be used to prohibit the use of DDT and Toxaphene and to help eliminate fish advisories based on the declining levels of the pollutant found in the fish flesh.	Ongoing
Hanging Moss/ Nutrients & Organic Enrichment, Low DO	Public Education/Involvement to help stop people from dumping in the storm sewer. Identify and eliminate any illicit discharge that could be flowing into creek. Pollution Prevention/Good Housekeeping to help recognize any problematic areas.	BMP's should be encouraged in the watershed areas to reduce TBODu, TP and TN loads from non-point sources.	Ongoing

Panther Creek/ Fecal Coliform	Public Education/Involvement to help inform on fecal coliform. Identify and eliminate any illicit discharge that contains fecal coliform from flowing into creek. Pollution Prevention/Good Housekeeping to help recognize any problematic areas.	BMP's should be encouraged in areas to reduce fecal coliform from non-point sources.	Ongoing
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SECTION VI: OTHER INFORMATION (type "X" in all boxes that apply)

During this reporting period, the MS4 has collected and analyzed monitoring data as part of its SWMP implementation (attach copies).

During this reporting period, the MS4 relied on another government agency to satisfy some of its permit obligations (attach description of the SWMP components being delegated and a copy of the legal agreement between the MS4 and the implementing entity).

SECTION VII: REPORT CERTIFICATION AND SIGNATURE

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 responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I also certify that the MS4 for which I am responsible has in effect, an accurate and up to date MS4 Notice of Intent (NOI) and Storm Water Management Plan (SWMP). I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Signature¹

Karl Banks

Printed Name

February 17, 2013

Date

President, Board of Supervisors

Title

¹This report shall be signed according to the ACT9, T-5 and T-6 of the MS4 General Permit.

**Please submit this form to: Chief, Environmental Compliance and Enforcement Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225**

WARNOCK & ASSOCIATES, LLC
 158 WEST CENTER STREET
 P.O. BOX 1623
 CANTON, MS 39046
 ATTN: MR. SHELTON MARBERRY

REPORT OF TESTS ON WATER SAMPLES RECEIVED FROM YOU ON 02-05-14.

SAMPLE ID: AS LISTED BELOW
 1402010-15

STS LOG NOS:

	pH, SU	C.O.D., mg/L	SUS. SOLIDS mg/L	OIL/GREASE mg/L
TILDA BOGUE @ HWY 16	6.4	30.0	164	<0.10
PANTHER CK. @ VERELLIA RD	6.4	61.7	54.0	<0.10
BEAR CK. @ HARIDELL RD	6.0	83.0	41.0	<0.10
PEARL R. @ RATTLIFF FERRY	4.2	767	107	0.20
HANGING MOSS CK. @ RIDGWOOD RD	6.2	46.7	38.0	<0.10
BEAR CREEK @ HYW 22	4.7	600	37.0	<0.10
< = LESS THAN	4500-H	5220-B	2540-D	EPA 1664

TEST PROCEDURES: *Standard Methods, 4500-H, 5220-B, 2540-D*

DATE ANALYZED: 02/05-07/2014 by GMC/JKB.

Gene M. Coxwell

National Registry of Environmental Professionals
 Registration No. 840