

NPDES Phase II Stormwater Program 2016 Annual Report

**Prepared for:
Madison County, Mississippi**

**Submitted to:
The Mississippi Department of
Environmental Quality
Office of Pollution Control
Environmental Compliance and
Enforcement Division**

January 28, 2017



**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) 2016 (Year 5 – Repeat)

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.

NOTE: 3-RING BINDERS WILL NOT BE ACCEPTED DUE TO LIMITED FILING SPACE AT MDEQ

MS4 INFORMATION

MS4 NAME: Madison County

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

MS4 COUNTY: Madison County

PRIMARY LOCAL CONTACT NAME (responsible for storm water program implementation): Dan Gaillet, P.E.

CONTACT'S TITLE: County Engineer / Road Manager OFFICE PHONE: (601) 855-5670

E-MAIL ADDRESS (local contact): Dan.gaillet@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			
Stormwater education for local citizens/developers /engineers & restaurant owners	The County will work hand in hand with local environmental and storm water protection agencies to provide literature and offer presentations and events to improve public awareness of storm water protection issues. The County will provide storm water protection education pamphlets/brochures at public facilities that can be received by citizens. In addition, the Madison County website will be used to educate the public. Topics may include water conservation practices, lawn and garden activities, proper disposal of household hazardous waste and trash management, and ways to become involved in the storm water program.	X		On-going	Madison County will provide information and distribute. Information will be located at local libraries, county buildings, and kiosks at local parks.	Danny Lee/ Madison County Engineering Department
Offer presentations and events to support storm water education for local schools	A minimum of 50% of all school children (grades 2-8) will be educated every 2 years on storm water pollution by providing them with handouts, posters, and live presentations; as well as other media. Topics may include water conservation practices, lawn and garden activities, proper disposal of household hazardous waste and trash management.	X		On-going	Work with the Madison County Soil and Water Conservation District to achieve this goal	Consultant / Danny Lee / Madison County Engineering Department

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			
Hold public meetings to receive input on the implementation of the program	An annual public meeting will be held to inform the public, including local stakeholders such as developers, on storm water issues. Topics will include the progress of the program, and the following year's planned activities, in addition to the updating of any applicable ordinances.	X		Completed by AllenES on January 17 th , 2017 for the 2016 plan year.	Allen Engineering and Science staff presented at the Board of Supervisors meeting and was available to answer any questions from the public/Board Members.	Consultant / Danny Lee / Madison County Engineering Department
Regulate and enforce current ordinance(s) adopted by the Madison County. Public input in compliance with/updating of ordinances.	As it is needed to update or develop new ordinances, as well as when implementation becomes an issue, public (including stakeholders such as developers) input will be sought.	X		Current Ordinance was adopted February 2013	Madison County has a current ordinance in place however Madison County is in the process of revising their ordinances and is scheduled to become official in 2017.	Carl Allen / Danny Lee / Madison County Engineering Department
Perform stream clean up and monitoring	Madison County Road Department (MCRD) at regular intervals throughout the permit term cleans local streams of debris. MCRD employees will regularly monitor local streams for debris.	X		On-Going	The Madison County Road Department performs this task.	Danny Lee / Madison County Engineering Department

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			
Storm drainage system map	Continue to develop and update storm drainage system map throughout the permit term.	X		On-going	The Madison County GIS department (Kay Little) enters and collects this information.	Carl Allen / Danny Lee / Madison County Engineering Department
Identify illicit connections through dry weather screening/elimination of illicit discharges.	Dry-weather surveys will be conducted to identify non-storm water flows. Once each year's survey is complete, areas with suspicious discharges will be inspected to detect suspected direct connections to the storm water system and identify areas where wastewater might be leaking into adjacent storm drainpipes. When an illegal connection is identified, the County governing body will inform the contractor in writing.	X		On-going 12/27/2016	The Madison County Road Department performs this task. Additionally, AllenES staff conducted a dry weather screening at twenty-six (26) locations throughout the county and a report was sent to the County.	Consultant / Danny Lee / Madison County Engineering Department
Identify illegal dumping areas	Areas that have been identified by the County as having significant illegal dumping will be identified and signs will be posted stating possible fines for dumping refuse in these areas. County personnel will monitor the areas on a regular basis in order to enforce the measure.	X		On-going 12/27/2016	Planning and zoning as well as code enforcement performs this task. Additionally, AllenES staff conducted a dry weather screening on 12/27/16 and noted several areas that illegal dumping appeared to be occurring.	Consultant / Carl Allen / Danny Lee / Madison County Engineering Department
Identify failing septic systems	Septic systems of homes and businesses will be inspected. Those homes and businesses that have systems identified as failing or suspected of failing in the future will be given recommendations on possible corrective actions.	X		On-going	CMC, Bear Creek, and the Pearl River Valley Water Supply District are the wastewater providers in the county. If MCRD employees notice a major issue they will contact a supervisor so the proper entity can be notified to address the issue.	Carl Allen / Danny Lee / Madison County Engineering Department
Inform county employees, the public and businesses on illegal dumping	In coordination with the Public Education/Outreach and Public Involvement/Participation minimum measures, information will be passed along to the above mentioned parties on the storm water-related hazards associated with illegal dumping and illicit discharges.	X		On-going	Signs will be placed at various, high trafficked creek crossings around the county.	Danny Lee / Madison County Engineering Department

Ordinance	A County Ordinance has been adopted, prohibiting non-storm water discharges not allowed by the MS4 General Permit into the storm sewer system.	X		Current Ordinance was adopted March 2009	Madison County has a current ordinance in place however Madison County is in the process of revising their ordinances and is scheduled to become official in 2017.	Danny Lee
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Provide the following information for illicit discharges detected within your MS4 during the reporting period for this Annual Report.
 Approximately N/A illicit discharges were detected by the County during routine inspections however 2 complaints were received for sediment in the roads. The other complaints (total of 17 listed below) were received by the MDEQ.
 Number of Illicit Discharges Detected: 17
 Number of Illicit Discharges Eliminated: 13 (The illicit discharges not eliminated is due to the issue being new or under investigation)

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			
Training of County personnel and contractors	All County Road and Engineering Department personnel and contractors that have dealings with storm water related issues will continue to receive educational training on issues related to storm water management.	X		Completed by AllenES on 10/03/16	AllenES staff provided a short training session for Madison County employees at the county road department on October 3 rd .	Consultant
Mandatory pre construction meetings/review of construction plans	Upon submittal of construction plans for approval from the developer's engineers and contractors will be required to meet with County engineer or public works director in order to ensure awareness that they are required to follow storm water management practices, including erosion and sediment control measures. These plans will include consideration for any potential water quality impacts, which will also be reviewed. Also considered under this measure will be any concerns the public may voice relative to any construction activities.	X		On-going	Madison County Engineering Department conducts plan reviews and provides comments to the builders/contractors. The builders/contractors have to address Madison County's comments before the plans will be approved.	Danny Lee / Madison County Engineering Department
Madison County issued Construction Site Storm Water Runoff Control Site Specific SWPPP	All construction will be required to submit a SWPPP / Erosion and Sediment Control (ESC) Plans prior to commencement of construction. This information will show the location and type of ESC BMPs, including silt fence, straw wattles, hay bales, etc.	X		On-going	The Planning and Zoning Department performs this task.	Carl Allen / Danny Lee / Madison County Engineering Department

Periodic Inspections	Local County construction inspectors will fill out periodic inspection reports that have been adopted by the Board of Supervisors. Once completed, the County engineer will advise on any necessary actions that need to be taken and will review these inspection reports. Should any improvements be needed, the contractors will be required to do so within an allotted period of time, and an additional inspection will then be performed. All sites will be periodically inspected, regardless of nature of construction activity, topography, soil characteristics and receiving water quality.	X		On-going	Madison County Engineering Department and in-house inspectors perform this task.	Carl Allen / Danny Lee / Madison County Engineering Department
Ordinance	A County Ordinance has been adopted that requires erosion and sediment controls, including enforcement measures.	X		Current Ordinance was adopted February 2010	Madison County has a current ordinance in place however Madison County is in the process of revising their ordinances and is scheduled to become official in 2017.	Carl Allen / Danny Lee / Madison County Engineering Department

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)	1	Daily inspections during construction (Erosion Control, Roads, Stormdrains, Utilities, Detention/Retention)	Number of enforcement actions was not captured by the County. Make sure all erosion control devices are installed and working.
Large Construction (> 5 Acres)	15	Daily inspections during construction (Erosion Control, Roads, Stormdrains, Utilities, Detention/Retention)	Number of enforcement actions was not captured by the County. Make sure all erosion control devices are installed and working.

SECTION I (continued):

E. Post-Construction 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			
Develop a program to maintain structural BMPs	Madison County will maintain a record of the permits issued for development throughout the county. These records will be used to develop an inventory of significant sources and locations that will require monitoring and post-construction runoff control until which time adequate vegetation has been established to insure long-term sedimentation and erosion control.	X		On-going	The Madison County Engineering Department and the Planning & Zoning Department perform this task.	Carl Allen / Danny Lee / Madison County Engineering Department
Hold annual Post Construction Field Inspections until all Bonds or Letters of Credit are cleared by Madison County	Develop a database of all Letters of Credit or Bond currently on file with the County. Continue to update database as developments are filed with the County. Hold pre-construction and post-construction meetings to make the stakeholders aware of this requirements.	X		On-going	The Madison County Engineering Department and in-house inspectors maintain files.	Danny Lee / Madison County Engineering Department
Regulate and enforce the adopted Ordinance in regards to Post Construction Runoff Control	Continue to regulate and enforce the ordinance adopted by the County governing post-construction runoff control. This ordinance includes appropriate structural and nonstructural BMPs approved for the control of storm water runoff. The County should consider any measures necessary to direct growth, protect sensitive areas, maintain or increase open space, provide water body buffers, minimization of impervious	X		On-going	The Madison County Engineering Department perform this task.	Danny Lee / Madison County Engineering Department

	surfaces after development, minimization of directly connected impervious areas, etc.					
Education for developers/the public	Education on project designs that minimize water quality impacts will be incorporated into the Public Education/Outreach measure.	X		11/15/2016 & 06/08/16	The County scheduled to provide a 2 hour training seminar at the Homebuilders Association of Jackson meeting room. Due to low to no response from invitees the training session was canceled. However, Allen Engineering and Science held a Stormwater and Green Infrastructure breakfast at the Association of Builders and Contractors facility in Pearl on June 8, 2016. Several local builders/developers/construction company representatives were in attendance.	Consultant
Assess Fee	Upon submittal of preliminary plat for approval, Madison County will continue to assess a fee to the developer/builder, which will be used for any necessary maintenance for permanent structural BMPs.	X		On-going	Fees are not assessed to the Developer or Builder for the sole purpose of BMP maintenance.	Carl Allen / Danny Lee / Madison County Engineering Department

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.)
Camden Lake Phase I, Lake Caroline / 16 Acres	Detention/ Retention Lake / 32° 31' 15.88"N, 90° 10' 20.11" W
Camden Lake Phase 2, Lake Caroline / 6 Acres	Detention/ Retention Lake / 32° 31' 15.88"N, 90° 10' 20.11" W
Dixons Pass / 13 Acres	Detention/ Retention Pond / 32° 31' 54.19"N, 90° 06' 31.05" W
Fallen Oak / 78 Acres	Detention/ Retention Lake / 32° 35' 16.64"N, 90° 11' 17.67" W
Falls Crossing 5 / 10 Acres	Detention/ Retention Pond / 32° 31' 58.67"N, 90° 08' 14.24" W
Greyhawk Part 5 / 15 Acres	Detention/ Retention Pond / 32° 32' 36.18"N, 90° 07' 22.81" W
Hampton Ridge 4, Lake Caroline / 12 Acres	Detention/ Retention Lake / 32° 32' 55.36"N, 90° 09' 58.76" W
Hathaway Lake Part 7 / 8 Acres	Detention/ Retention Lake / 23° 32' 26.66"N, 90° 10' 29.89" W
Heartland Estates 5 / 65 Acres	Detention/ Retention Pond / 32° 30' 31.49"N, 90° 18' 32.67" W
Links of Caroline Part 5, Lake Caroline / 8 Acres	Detention/ Retention Lake / 32° 32' 45.39"N, 90° 09' 09.80" W
Lost Rabbit Part B-1 South / 27 Acres	Ross Barnett Res. / 32° 27' 26.46"N, 90° 03' 26.16" W
Martinique Part 2A / 4 Acres	Detention/ Retention Lake / 32° 33' 44.46"N, 90° 10' 22.29" W
Saddlebrook Part 2 / 29 Acres	Detention/ Retention Pond / 32° 31' 36.74"N, 90° 09' 14.89" W
Timber Ridge of Wellington Part 3-C / 17 Acres	Detention/ Retention Pond / 32° 32' 08.12"N, 90° 07' 14.37" W
Westein Ridge / 25 Acres	Detention/ Retention Pond / 32° 30' 22.78"N, 90° 04' 13.19" W
Woodscape / 28 Acres	Detention/ Retention Pond / 32° 31' 20.05"N, 90° 30' 57.45" W

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			
Training of County personnel	Develop a pollution prevention workshop for all County employees responsible for grounds maintenance and landscaping at public facilities. Once per year, hold an additional workshop for new employees and crew managers. Topics will also include fleet and building maintenance, new construction, storm water system maintenance and other land disturbances. This will be done through the utilization of materials available from the EPA, the state or other organizations.	X		Completed by AllenES on 10/03/16	AllenES staff provided a short training session for Madison County employees at the county road department.	Consultant
Improvements in County Operations	Identify possible improvements where needed in County operations, such as vehicle maintenance and washing, road and bridge maintenance, parking lot and street cleaning, spill prevention and response, hazardous materials storage, handling and disposal, and oil recycling. Specific controls for reducing the storm water impacts of these operations will be considered and adopted by the County, as well as methods to track and oversee maintenance activities, schedules and long-term inspection procedures in order to reduce pollutants to the MS4.	X		On-going	In-house	Danny Lee / Madison County Engineering Department

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 1	Stormwater education for local citizens/developers/engineers & restaurant owners			X	
PE 2	Offer presentations and events to support storm water education for local schools			X	
PI 1	Hold public meetings to receive input on the implementation of the program			X	
PI 2	Regulate and enforce current ordinance(s) adopted by the Madison County. Public input in compliance with/updating of ordinances.				X
PI 3	Marking of storm drains, stream clean up and monitoring			X	
ID 1	Storm drainage system map				X
ID 2	Identify illicit connections through dry weather screening/elimination of illicit discharges.				X
ID 3	Identify illegal dumping areas			X	
ID 4	Identify failing septic systems			X	
ID 5	Inform county employees, the public and businesses on illegal dumping			X	
ID 6	Ordinance				X
CS 1	Training of County personnel and contractors				X
CS 2	Mandatory pre construction meetings/review of construction plans				X
CS 3	Madison County issued Construction Site Storm Water Runoff Control Permit			X	
CS 4	Periodic Inspections				X
CS 5	Ordinance				X
PC 1	Develop a program to maintain structural BMPs				X

Minimum Measure ID	Best Management Practice	We Consider the Listed BMP Appropriate to the Following Degree			
		Inappropriate	Minimally Appropriate	Good	Superior
PC 2	Hold annual Post Construction Field Inspections until all Bonds or Letters of Credit are cleared by Madison County			X	
PC 3	Regulate and enforce the adopted Ordinance in regards to Post Construction Runoff Control			X	
PC 4	Education for developers/the public			X	
PC 5	Assess Fee			X	
PP 1	Training of County personnel				X
PP 2	Improvements in County Operations			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 1	Local Partnerships	<ul style="list-style-type: none"> • Participation with existing partnerships • Identify additional partnerships 	Changed based on new Stormwater Management Plan	All Departments
PE 2	Public Participation	<ul style="list-style-type: none"> • Classroom presentations • Recycling • Cleanup presentations • Public events 	Changed based on new Stormwater Management Plan	Engineering / Solid Waste All departments
PE 3	Brochures	<ul style="list-style-type: none"> • Evaluate target audiences • Identify locations for public display • Evaluate pollution sources • Develop new brochures • Identify distribution alternatives 	Changed based on new Stormwater Management Plan	Engineering / Planning
PE 4	Website	<ul style="list-style-type: none"> • Storm water information 	Changed based on new Stormwater Management Plan	Engineering / IT
PE 5	Workshops	<ul style="list-style-type: none"> • Evaluate workshop topics • County workshop • Erosion Control Workshop • LID Workshop 	Changed based on new Stormwater Management Plan	Engineering Planning
PE 6	Program Evaluation	<ul style="list-style-type: none"> • Evaluate program effectiveness 	Changed based on new Stormwater Management Plan	Engineering
PI 1	Classroom Presentations	As the County’s MS4 program continues to evolve, well known educational programs within schools, day cares, and churches will be developed and presented.	Changed based on new Stormwater Management Plan	Engineering
PI 2	Recycling	Continue to promote and track recyclables collected on a monthly basis.	Changed based on new Stormwater Management Plan	Engineering
PI 3	Storm Drain Marking	The storm drain marking program shall be managed within the Engineering Department and shall solicit volunteers from various organizations including but not limited to scouting, community service groups,	Changed based on new Stormwater Management Plan	Engineering

		schools, civic organizations, etc.		
ID 1	Legal Authority	• Develop Illicit Discharge Ordinance	Changed based on new Stormwater Management Plan	Engineering
		• Adopt Illicit Discharge Ordinance		County Supervisors
ID 2	Data Acquisition	• County sanitary sewer systems	Changed based on new Stormwater Management Plan	Engineering
		• Parcels with on-site sewage disposal systems		
ID 3	Outfall Inventory	• Outfall inventory and evaluation schedule	Changed based on new Stormwater Management Plan	Engineering
		• Outfall evaluation inspection form		
		• Outfall map		
		• Outfall evaluation and screening		
ID 4	Illicit Discharges	• Complaint tracking system	Changed based on new Stormwater Management Plan	General Services
		• Illicit discharge inspection form		Engineering
ID 5	Standard Operating Procedures	• Sample equipment use, maintenance	Changed based on new Stormwater Management Plan	Engineering
		• Outfall reconnaissance inventory		
		• Illicit discharge evaluation		
		• On-site sewer disposal system evaluation		
		• Sanitary sewer overflow evaluation		
ID 6	Program Evaluation	• Evaluate Program Effectiveness	Changed based on new Stormwater Management Plan	Engineering
CS 1	Legal Authority	• Comprehensive subdivision regulations	Changed based on new Stormwater Management Plan	Engineering
		• Adopt erosion control ordinance		County Supervisors
CS 2	Permitting	• Develop SOP	Changed based on new Stormwater Management Plan	Planning and Zoning / Engineering
		• Review/update building permit application form		
		• Develop land disturbing activity application form		
		• Develop tracking system		
		• Review and update permit review checklist		Engineering
CS 3	Plan Review	• Develop SOP	Changed based on new Stormwater Management Plan	Planning and Zoning / Engineering
		• Develop review checklist		
		• Develop permit requirements		
		• Tracking number and type of plans reviewed		Engineering
CS 4	Inspections	• Develop SOP	Changed based on new Stormwater Management Plan	Planning and Zoning / Engineering
		• Develop review checklist		
		• Develop permit requirements		
		• Tracking number and type of plans reviewed		
CS 5	Enforcement Actions	• Develop enforcement codes	Changed based on new Stormwater Management Plan	Engineering
		• Track number and type		
CS 6	Training	• QCI training	Changed based on new Stormwater Management Plan	Engineering

CS 7	Program Evaluation	<ul style="list-style-type: none"> Evaluate program effectiveness 	Changed based on new Stormwater Management Plan	Engineering				
PC 1	Legal Authority	<ul style="list-style-type: none"> Develop and adopt post construction BMP ordinance Review and update zoning regulation 	Changed based on new Stormwater Management Plan	Planning and Zoning / Engineering				
		<ul style="list-style-type: none"> Review and update subdivision regulations 						
		<ul style="list-style-type: none"> Evaluate and identify BMPs and LID practices 						
PC 2	Post Construction BMPs	<ul style="list-style-type: none"> Develop design standards Develop plan review procedures Develop review checklist Develop inventory of post construction BMPs Develop maintenance requirements 	Changed based on new Stormwater Management Plan	Planning and Zoning / Engineering				
		<ul style="list-style-type: none"> Identify SOPs Develop SOPs Develop tracking system Track number and type of inspections 						
		<ul style="list-style-type: none"> Evaluate training needs Identify training sources Conduct training 						
		<ul style="list-style-type: none"> Evaluate program effectiveness 						
		PP 1			Maintenance of Roadways	<ul style="list-style-type: none"> Evaluate existing maintenance activities to identify changes to benefit water quality Research and identify alternative practices to reduce discharge of materials during maintenance Revise maintenance standard operating procedures based on identified alternative practices Maintain records of roadway maintenance documenting value of alternative maintenance practices Document activities and alternate practices used in the Annual Report 	Changed based on new Stormwater Management Plan	Assistant Road Manager
						<ul style="list-style-type: none"> Identify segments with curb and gutter construction for removal of sediments and other pollutants Establish schedules and implement regular sweeping of identified roadways Monitor sweeping operations to determine if schedule adjustments would provide optimized pollutant removal 		Changed based on new Stormwater Management Plan
<ul style="list-style-type: none"> Identify training needs Identify training sources Conduct training 								
<ul style="list-style-type: none"> Evaluate program effectiveness 								
PC 5	Program Evaluation		<ul style="list-style-type: none"> Evaluate program effectiveness 	Changed based on new Stormwater Management Plan		Planning and Zoning / Engineering		
PP 2	Street Sweeping	<ul style="list-style-type: none"> Identify segments with curb and gutter construction for removal of sediments and other pollutants Establish schedules and implement regular sweeping of identified roadways Monitor sweeping operations to determine if schedule adjustments would provide optimized pollutant removal 	Changed based on new Stormwater Management Plan	Assistant Road Manager				
		<ul style="list-style-type: none"> Identify training needs Identify training sources Conduct training 						
		<ul style="list-style-type: none"> Evaluate program effectiveness 						

		<ul style="list-style-type: none"> • Maintain records of roadway sections swept and associated man-hours • Adjust sweeping schedules according to program assessment on an annual basis • Document sections swept and man-hours utilized in the annual report 		MS4 PM / Assistant Road Manager
PP 3	Litter and Debris Collection	<ul style="list-style-type: none"> • Evaluate the existing inventory of collection areas • Collect litter according to established schedules • Provide agency support to participating partners in clean-up and litter removal programs 	Changed based on new Stormwater Management Plan	Solid Waste
		<ul style="list-style-type: none"> • Evaluate and adjust collection schedules annually to optimize program effectiveness 		Solid Waste
		<ul style="list-style-type: none"> • Evaluate litter collection program to maximize the impact of litter removal 		Solid Waste
		<ul style="list-style-type: none"> • Maintain records of the quantity of litter collected for each defined area (in cubic yards or tons) 		MS4 PM
		<ul style="list-style-type: none"> • Report the quantity of litter collected from collection areas in the Annual Report 		Solid Waste
				MS4 PM / Solid Waste / Assistant Road Manager
PP 4	Herbicide Application	<ul style="list-style-type: none"> • Review and update as necessary the existing inventory of areas designated for herbicide application • Ensure compliance with local, state, and federal regulations associated with herbicide application 	Changed based on new Stormwater Management Plan	Assistant Road Manager
		<ul style="list-style-type: none"> • Review and update as necessary the existing herbicide application schedule • Assess each location for opportunities to implement alternative practices for non-herbicide methods of maintenance 		
		<ul style="list-style-type: none"> • Develop a prioritized list of areas where alternative weed control practices would reduce volumes of herbicides used 		
		<ul style="list-style-type: none"> • Report the total volume of herbicide applied in the Annual Report 		
PP 5	Vehicle Maintenance	<ul style="list-style-type: none"> • Review and update the existing inventory of owned vehicles and equipment • Require vehicle operators to conduct daily inspections to check for leaks or other maintenance issues 	Changed based on new Stormwater Management Plan	Assistant Road Manager
		<ul style="list-style-type: none"> • Conduct routine maintenance on all vehicles and equipment per standard operating procedures 		

		<ul style="list-style-type: none"> • During routine maintenance, inspect vehicles and equipment for fluid leaks • Schedule repairs for vehicles determined to have fluid leaks • Maintain vehicle maintenance records and document fluid leak repair activities • Review vehicle & equipment maintenance records to ensure compliance with manufacturer service specifications • The equipment superintendent's checklist for vehicles repaired include in the Annual Report 		
PP 6	Implement a Program for Disposal and Recycling of Potentially Hazardous Materials	<ul style="list-style-type: none"> • Conduct environmental audits maintenance facilities to determine the types and quantities of materials used 	Changed based on new Stormwater Management Plan	MS4 PM / Assistant Road Manager
		<ul style="list-style-type: none"> • Review standard operating procedures for disposal of hazardous materials, revise as necessary 		MS4 PM / Assistant Road Manager
		<ul style="list-style-type: none"> • Develop facility-specific SWPPPs based on the completed environmental audits 		MS4 PM / Assistant Road Manager
		<ul style="list-style-type: none"> • Develop training materials related to maintenance operations for the proper disposal of hazardous materials 		MS4 PM / Assistant Road Manager
		<ul style="list-style-type: none"> • Research and implement alternative methods of disposal of hazardous materials including recycling or reuse 		MS4 PM / Assistant Road Manager
		<ul style="list-style-type: none"> • Report the findings of the environmental audits and remedial actions undertaken in the Annual Report 		MS4 PM / Assistant Road Manager
PP 7	Spill Prevention Plans	<ul style="list-style-type: none"> • Evaluate each owned facility to determine if Spill Prevention Control and Countermeasure Plans are required 	Changed based on new Stormwater Management Plan	Assistant Road Manager
		<ul style="list-style-type: none"> • Develop, review and maintain SPCC plans for owned facilities that require plans 		Assistant Road Manager
		<ul style="list-style-type: none"> • Comply with SPCC plan requirements at qualifying owned facilities 		MS4 PM
		<ul style="list-style-type: none"> • Ensure that all qualifying Madison County owned facilities are equipped with appropriate spill cleanup equipment 		Assistant Road Manager
		<ul style="list-style-type: none"> • Report the number of facilities with SPCC plans and the current status of each plan in the Annual Report 		MS4 PM

PP 8	Employee Training	• Review existing training materials and modify as necessary	Changed based on new Strovmwater Management Plan	Assistant Road Manager
		• Identify personnel required to attend training		Assistant Road Manager
		• Develop a schedule for training		Assistant Road Manager
		• Conduct employee training according to the identified schedule		Assistant Road Manager
		• Maintain records of training programs conducted and employee's attendance		MS4 PM / Assistant Road Manager
		• Report the number of training programs conducted and employee attendance in the Annual Report		MS4 PM

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)

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
Big Black River / ID – 107811 / pH (TMDL Priority – High)	The County will focus a portion of the Public Outreach BMPs on addressing this issue.	N/A	2017-2018
Hobuck Creek / ID – 105511 / Biological Impairment (TMDL Priority – Low)	The County will focus a portion of the Public Outreach BMPs on addressing this issue. Biological Impairment is most likely the result of sedimentation from new construction, agricultural practices, and/or clear cutting. Educational brochures will be created and distributed to the public.	N/A	2017-2018
Little Bear Creek / ID – 105712 / Biological Impairment (TMDL Priority – Low)	The County will focus a portion of the Public Outreach BMPs on addressing this issue. Biological Impairment is most likely the result of sedimentation from new construction, agricultural practices, and/or clear cutting. Educational brochures will be created and distributed to the public.	N/A	2017-2018
Persimmon Creek / ID – 106311 / Biological Impairment (TMDL Priority – Low)	The County will focus a portion of the Public Outreach BMPs on addressing this issue. Biological Impairment is most likely the result of sedimentation from new construction, agricultural practices, and/or clear cutting. Educational brochures will be created and distributed to the public.	N/A	2017-2018
Rambo Creek / ID – 103912 / Biological Impairment (TMDL Priority – Low)	The County will focus a portion of the Public Outreach BMPs on addressing this issue. Biological Impairment is most likely the result of sedimentation from new construction, agricultural practices, and/or clear cutting. Educational brochures will be created and distributed to the public.	N/A	2017-2018

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.

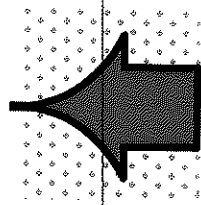
Authorized Signature¹
Trey Baxter

Printed Name

01/ /2017

Date
Board President

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**