

# **BOARD OF SUPERVISORS**

# **MADISON COUNTY, MISSISSIPPI**


Department of Engineering/Road Management  
Dan Gaillet, P.E., County Engineer/ Road Manager

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## **MEMORANDUM**

April 14, 2016

**TO:** Sheila Jones, Supervisor, District I  
Trey Baxter, Supervisor, District II  
Gerald Steen, Supervisor, District III  
David Bishop, Supervisor, District IV  
Paul Griffin, Supervisor, District V

**FROM:** Dan Gaillet, P.E.   
County Engineer/Road Manager

**RE:** MS4 Stormwater Management Program

Attached is a letter from the Mississippi Department of Environmental Quality regarding the MS4 Stormwater Management Program. As a result of the numerous requirements to update the Program to meet the MS4 Permit, Wages Consulting, LLC has been hired under the General Services Contract to assist the County.

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SHEILA JONES  
District One

TREY BAXTER  
District Two

GERALD STEEN  
District Three

DAVID BISHOP  
District Four

PAUL GRIFFIN  
District Five



STATE OF MISSISSIPPI  
PHIL BRYANT  
GOVERNOR  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
GARY C. RIKARD, EXECUTIVE DIRECTOR

March 31, 2016

Tony Greer, Administrator  
Madison County Board of Supervisors  
PO Box 608  
Canton, MS 39046

Dear Mr. Houston:

Re: Madison County, MS4 Stormwater Management  
Program  
Letter of Instruction for Recoverage  
Small Municipal Separate Storm Sewer System  
Madison County  
Ref. No. MSRMS4031

The Permit Board on Environmental Quality reissued the Small Municipal Separate Storm Sewer System (MS4) General Permit (MSRMS4) on March 18, 2016. This permit allows the discharge of storm and allowable non-storm water from storm water conveyance systems into State waters in accordance with the National Pollutant Discharge Elimination System (NPDES) regulations. This reissuance replaces the general permit that expired on December 31, 2013.

The reissued general permit contains several changes from the previous permit (see Addendum enclosed). The changes reflect consistency with EPA permitting requirements for MS4 systems, clarify existing regulations and conditions, and contain measures to facilitate required submittals to MDEQ. This reissuance also references the Mississippi Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas for guidance in selecting appropriate BMPs for the MS4's Storm Water Management Program (SWMP).

MS4s operating under the previous general permit have two options: re-coverage under this general permit or application for an individual permit. **Please read the following instructions carefully:**

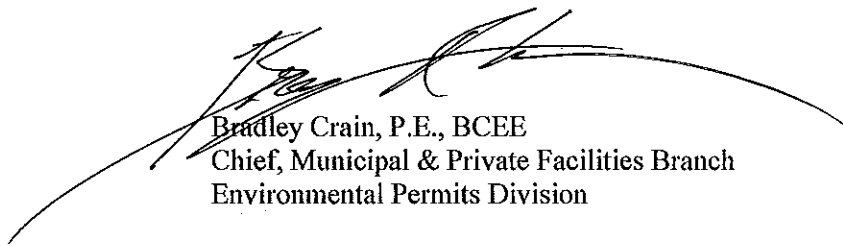
- **Re-coverage.** In order for the above referenced MS4 to remain covered under a valid NPDES permit, the coverage recipient must complete the enclosed Re-coverage Form and send it to the indicated address within **60 days** of the date of this letter. A submittal of the MS4 Storm Water Management Program (SWMP) must be submitted with the Re-coverage Form to meet the conditions of the new permit. After review to ensure the SWMP meets permit conditions, an updated Certificate of Permit Coverage will be issued by MDEQ.
- **Individual Permit.** Contact the General Permit Branch to discuss the necessary applications for an individual permit.

If the above referenced coverage recipient does not obtain re-coverage or apply for an individual permit, the MS4 will be operating without a valid permit and will be subject to potential enforcement action.

The General Permit, Forms Package, and the Mississippi Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas are available on the General Permits page at: [http://www.deq.state.ms.us/MDBQ.nsf/page/epd\\_epdgeneral?OpenDocument](http://www.deq.state.ms.us/MDBQ.nsf/page/epd_epdgeneral?OpenDocument)  
To request a physical copy of the permit or forms package, please contact the main office at (601) 961-5171. Please provide the MS4 county to be directed to the appropriate project coordinator within the Municipal & Private Facilities Branch.

If you have any questions concerning these instructions, please contact me at (601) 961-5177.

Sincerely,



Bradley Crain, P.E., BCEE  
Chief, Municipal & Private Facilities Branch  
Environmental Permits Division

Enclosure(s)

## ADDENDUM

Several changes have been made to the MS4 General Permit. The following list summarizes the significant changes from the previous permit, but is intended for quick reference only. The complete permit condition(s) cited at the beginning of each summary should be read.

- (ACT2, (4)) Added requirement that the MS4 SWMP identifies sufficient BMPs to numerically show (through pollution reduction estimates) that reductions called for by TMDLs will be achieved.
- (ACT4, MS4 NOI Submittal) Amended language for the submittal requirement from “within 180 days of designation by the Commission” to “within 180 days of permit issuance.”
- (ACT4) Updated link to the newly-adopted Mississippi 2014 Section 303(d) List of Impaired Water Bodies.
- (ACT4) Added link to current list of approved/established TMDLs.
- (ACT4) Added MDEQ email address to encourage electronic submittals: [MS4@deq.state.ms.us](mailto:MS4@deq.state.ms.us)
- (ACT5, (3), (B)) Added language recommending the use of identifiers for outfalls when developing or updating a storm sewer system map, keeping data for each outfall preferably in electronic format (for compatibility with GIS).
- (ACT5, (3), (C)) Modified Illicit Discharge Detection and Elimination (IDDE) language to clarify that submittal of existing/draft ordinances are required if it functions as a regulatory mechanism (non-structural BMP) to satisfy conditions of the permit.
- (ACT5, (3), (G),(i)) Expanded Illicit Discharge Detection and Elimination (IDDE) language: Instructions on to develop and implement a dry weather screening plan, as required by the minimum measure.
  - Added guidance for MS4s to define “dry weather.”
  - Added recommendations for determining criteria for evaluating illicit discharges.
  - Added recommendations for selecting a method for tracking outfall information.
  - Added requirement to define measurable goals for dry weather screening.
  - Added language regarding illegal dumping under this section for consistency with 40CFR 122.6 (b)(2)
- (ACT5, (3), (G), (ii), (a-c)) Expanded Illicit Discharge Detection and Elimination (IDDE) language, recommending:
  - MDEQ’s Complaint Tracking System (CTS) as a tool to identify problem areas and target pollutants by looking at the history of complaints within the MS4.
  - Coordination with entities within the regulated area for sharing of water quality data
  - Using testing data to enforce local illicit discharge ordinances.
- (ACT5, (4), (A), (i))
  - Clarified language regarding submittal of new (draft) or modified ordinances before proposed adoption.
- (ACT5, (4), (B))
  - Added recommendation to develop ordinances that promote/encourage Low Impact Development and Green Infrastructures when selecting BMPs.

- (ACT 6, SWMP Development and Submittal)
  - Added language to emphasize that the MS4 will need to expand or better tailor its SWMP in an ongoing, iterative, and annual interval.
- (ACT 6, SWMP Development and Submittal)
  - Added requirement for MS4s to determine whether stormwater discharges from any part of the MS4 contribute pollutants of concern to an impaired water body
    - Added requirement for MS4s that have stormwater discharges to impaired water bodies to determine whether or not a TMDL has been established/approved for the water bodies.
    - Added recommendations for monitoring methods
- (ACT 5,(4),(A-C)) Expanded Construction Site Stormwater Runoff Control language with references to the Mississippi Handbook: "Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas (Three Volumes)" which contains information on the practice description, planning considerations, design, construction, common problems, and maintenance of each BMP.
- (ACT5,(5),(A)) Modified language to clarify that the MS4 must develop a regulatory mechanism in order to inspect privately-owned development post-construction BMPs as required by the permit.
- (ACT5,(5),( C)) Expanded Post-Construction language, encouraging combinations of structural/non-structural BMPs to make a more effective program.
  - Added requirement for newly-designated and current MS4s to review and revise/update policies, codes and ordinances within 4 years of coverage
  - Added language recommending "treatment train approach" in which multiple permanent BMPs are used in tandem or in series for stormwater control and treatment.
- (ACT5,(5) (D)) Revised language for post-construction requirements regarding runoff reduction and pollutant removal
  - Added language to emphasize that runoff reduction is the preferred control practice as it can achieve both volume control and pollutant removal.
  - Revised requirement language for stormwater discharges from new development redevelopment sites
    - Incorporated more specific language requiring the MS4 to manage the site such that post-development hydrology does not exceed pre-development hydrology.
- (ACT5,(5) (E))
  - Added requirement to treat the 1<sup>st</sup> inch of rainfall, at a minimum, for a rainfall event preceded by a 72 hour period of no measurable rainfall
  - Added list of limiting factors that may prevent the application of runoff reduction BMPs
  - Added requirement for pre-development evaluation of infiltrative capacity of soils
- (ACT6, (3), (B),(iii))
  - Added requirement for MS4s to numerically show (through pollution reduction estimates) that load reductions called for by a TMDL are being met
- Added Personnel Training (ACT9) to be consistent with recently reissued General Permit training requirements, which are referenced throughout the permit.
- (ACT11) Added definitions for Dry Weather Field Screening and Treatment Train Approach.
- Updated citations WPC-1 and WPC-2 to 11 Miss. Admin. Code Part 6, Chp. 1 and 11 Miss. Admin. Code Part 6, Chp. 2, respectively.