

Madison County

DEPARTMENT OF PUBLIC WORKS

DIRECTOR
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March 18, 2016

Ms. Marla Shelley Smith
Alabama Department of Environmental Management
Water Division
Stormwater Management Branch/MS4
P.O. Box 301463
Montgomery, AL 36130-1463

Ref: 2015/2016 Municipal Separate Storm Sewer System (MS4) Annual Report
General NPDES Permit No. ALR040014
Madison County

Dear Ms. Smith:

Madison County is submitting this 2015/2016 Annual Report, as required by Part V.C. of the MS4 NPDES General Permit.

Tables, in this report, list:

- Madison County's efforts, from April 2015 through March 2016, to meet the proposed Best Management Practices as outlined in the Madison County Stormwater Management Program (SWMP) Plan,
- Madison County's stormwater management plans for the next coverage year, and
- Comments on, and/or changes to, the County's SWMP Plan.

When required, Madison County will re-evaluate the SWMP Plan and/or address any new ADEM guidelines.

During the General Permit renewal process in October 2015, a few minor revisions were made to the SWMP Plan to reflect current statistics, updated implementation schedules, and upcoming permit cycle references. In addition, the county website address was added under stormwater program contacts, and the applicable subdivision regulations were updated to include the latest revisions. Any revisions/changes to BMP descriptions are noted in the annual report.

If you have any comments or questions, please call LaWanda West at (256) 746-2888.

Sincerely,



Richard Grace, PE
County Engineer

RG/lgw

Cc: LaWanda West, Assistant County Engineer

Public Education and Outreach on Stormwater Impacts

BMP #	Description	2015/2016 Implementation Status	Proposed 2016/2017 Implementation of BMP	Comments/changes
A1	Include stormwater/pollution prevention awareness activity in annual drinking water festival	Included "Watershed In A Box" activity in the annual drinking water festival; 14 local schools were represented; approx. 1,100 students and teachers attended the two-day event – May	Include same activity in 2016 festival – May	None
A2	Deliver stormwater education program to local schools in Madison County	Representatives of the Madison County Soil and Water Conservation District conducted several education projects – contests, presentations, workshops, tours and outdoor classrooms	Provide materials and/or presentations to local schools when opportunities arise	None
A3	Include tips and facts about stormwater, pollution prevention, nonpoint source pollution, conservation, recycling, etc. in annual drinking water report	Included five (5) articles in the annual drinking water report– July	Include more tips and facts in annual drinking water report – July	None
A4	Print and display educational brochures and fact sheets, relevant to general public, at prominent county locations and county events	Displayed and restocked brochures in the Madison County Public Works Complex (water, inspection, subdivision and engineering departments) – <i>Water Quality: How It Works, The Care and Maintenance of Your Septic System</i> and <i>Get to Know Your H2O</i>	Check brochure racks at county offices and restock with on-hand supplies if needed	None
A5	Help sponsor, and/or assist other partners to conduct, training seminars for local home builders, contractors and developers on stormwater education and regulations	Supported the Alabama Erosion and Sediment Control Partnership by displaying their brochure advertising the <i>2015 Clear Water Alabama Seminar and Field Day</i> in the Madison County Public Works Complex (water, inspection, subdivision and engineering departments) - July	Participate as events warrant	None
A6	Participate in, and/or help sponsor, existing stormwater/water quality outreach programs such as education booths, demonstrations and presentations at local schools, organizational meetings and events	Displayed <i>Get to Know Your H2O</i> brochure (developed by the Alabama Rivers and Streams Network) at the water dept; attended four (4) local watershed advisory and clean water partnership meetings during the reporting period – several erosion control/ pollution prevention projects are being implemented and/or planned throughout the county; representatives of the Madison County Soil and Water Conservation District conducted several education projects during the reporting period – contests, presentations, workshops, tours and outdoor classrooms	Participate as events warrant	None

A7	Develop or acquire educational brochures and fact sheets relevant to businesses and construction; make material available at county offices and deliver to relevant associations for redistribution	Displayed and restocked the <i>Do You Need a Construction Stormwater Permit?</i> brochure in the Madison County Public Works Complex (water, inspection, subdivision and engineering departments); made the brochure available to view on the Madison County website; included the brochure in information packets handed out by the subdivision department	Continue providing a link to the brochure on the county website under “subdivisions” and “stormwater management”; check brochure racks at county offices and restock with on-hand supplies if needed	Recently, the subdivision dept. stopped handing out info packets for preliminary developments and commercial sites; instead, all info is posted on the county website; therefore, the brochure will be posted in subdivisions and stormwater mgmt; revised BMP descrip and goals during renewal
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Public Involvement/Participation

BMP #	Description	2015/2016 Implementation Status	Proposed 2016/2017 Implementation of BMP	Comments/changes
B1	Participate in and/or help sponsor watershed/stream clean-ups and workshops led by local clean water partnerships and other local organizations	Sponsored 40 “Waters to the Sea: Discovering AL” DVDs for a 2015 Madison County Teacher Workshop hosted by the Madison County Soil and Water Conservation District - May	Participate as events warrant	None
B2	Notify public through media, county website and annual drinking water report of any planned activities and of ways they can participate in the activities	Advertised the following in the annual drinking water report – July: “Handle With Care Household Hazardous Waste” program, county recycling specifics (curbside and drop-site), Madison County Soil and Water Conservation District cost-sharing project for farmers and landowners in impaired watersheds, Flint River Clean-Up project, and stormwater contacts; included the following on the county website: Stormwater Program contact information, a copy of the SWMP Plan, curbside, drop-site, and tire recycling programs details, and an article on how residents can do their part	Notify public of any known activities	None
B3	Support local clean-up projects by providing supplies and pick-up services	Made bags and pick-up services available for volunteer roadside clean-up events	Continue supplying bags and pick-up services as projects warrant	None
B4	Promote proper disposal of household hazardous wastes by notifying public of ways to participate in Solid Waste Disposal Authority’s “Handle With Care” program	Advertised in the annual drinking water report (July) – program contact info, collection dates/ times, center location, and items accepted; advertised the program on the county website	Continue supporting the “Handle With Care” program - notify the public of ways to participate, in the annual drinking water report and on the county website	Revised BMP descrip during renewal
B5	Involve public in annual reviews of SWMP by providing copies to members of local advisory committees	Provided a copy of the 2014/15 annual report and SWMP on the county website; notified members of the advisory committee that the report will be posted on the website	Provide copies of SWMP plan/ annual reports to members of local advisory committees and/ or include on county website	Opted to post the plan and annual report on the website to reach a larger audience

B6	Provide stormwater program contact info in annual drinking water report and respond to public concerns	Included federal, state and county stormwater contact information in annual drinking water report – July; included contact info on the website	Plan to include federal, state and county stormwater contact information in annual drinking water report and on the county website	None
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Illicit Discharge Detection and Elimination

BMP #	Description	2015/2016 Implementation Status	Proposed 2016/2017 Implementation of BMP	Comments/changes
C1	Train county employees to detect illicit discharges and to report any findings to stormwater program coordinator; plan for refresher courses	Reviewed training requirements outlined in the pending new General Permit	Schedule training for appropriate employees; incorporate updated guidelines/requirements from IDDE Plan and new General Permit when issued	Due to changes in the requirements of the pending new General Permit, a decision was made to postpone training until the new requirements can also be incorporated
C2	Include tips and facts about stormwater, pollution prevention, nonpoint source pollution, conservation, recycling, etc. in annual drinking water report	Included five (5) articles in the annual drinking water report– July	Include more tips and facts in annual drinking water report – July	None
C3	Print and display educational brochures and fact sheets, relevant to general public, at prominent county locations and county events	Displayed and restocked brochures in the Madison County Public Works Complex (water, inspection, subdivision and engineering departments) – <i>Water Quality: How It Works, The Care and Maintenance of Your Septic System</i> and <i>Get to Know Your H2O</i>	Check brochure racks at county offices and restock with on-hand supplies if needed	None
C4	Develop or acquire educational brochures and fact sheets relevant to businesses and construction; make material available at county offices and deliver to relevant associations for redistribution	Displayed and restocked the <i>Do You Need a Construction Stormwater Permit?</i> brochure in the Madison County Public Works Complex (water, inspection, subdivision and engineering departments); made the brochure available to view on the Madison County website; included the brochure in information packets handed out by the subdivision department	Continue providing a link to the brochure on the county website under “subdivisions” and “stormwater management”; check brochure racks at county offices and restock with on-hand supplies if needed	Recently, the subdivision dept. stopped handing out info packets for preliminary developments and commercial sites; instead, all info is posted on the county website; therefore, the brochure will be posted in subdivisions and stormwater mgmt; revised BMP descrip & goals during renewal
C5	Provide stormwater program contact info in annual drinking water report and respond to public concerns	Included federal, state and county stormwater contact information in annual drinking water report – July; included contact info on the website	Plan to include federal, state and county stormwater contact information in annual drinking water report and on the county website	None
C6	Update Storm Sewer Map created in first permit cycle; review annually and revise when necessary	None	Continue adding known structural BMPs; review other aspects of the map and update if needed	None
IDDE Plan	Implement Illicit Discharge Detection and Elimination (IDDE) Plan	Identified priority outfalls; inspected one site reported by ADEM (then referred findings back to ADEM)	Start dry-weather screenings of priority outfalls; update priority list as necessary	Added plan entries to “BMP summary” and “implementation schedule” tables (during renewal)

Construction Site Stormwater Runoff Control

BMP #	Description	2015/2016 Implementation Status	Proposed 2016/2017 Implementation of BMP	Comments/changes
D1	Help sponsor, and/or assist other partners to conduct, training seminars for local home builders, contractors and developers on stormwater education and regulations	Supported the Alabama Erosion and Sediment Control Partnership by displaying their brochure advertising the <i>2015 Clear Water Alabama Seminar and Field Day</i> in the Madison County Public Works Complex (water, inspection, subdivision & engineering departments) - July	Participate as events warrant	None
D2	Develop and supply fact sheets, specific to construction sites, to owners/developers	Displayed and restocked the <i>Do You Need a Construction Stormwater Permit?</i> brochure in the Madison County Public Works Complex (water, inspection, subdivision and engineering departments); made the brochure available to view on the Madison County website; included the brochure in information packets handed out by the subdivision department	Continue providing a link to the brochure on the county website under “subdivisions” and “stormwater management”; check brochure racks at county offices and restock with on-hand supplies if needed	Recently, the subdivision dept. stopped handing out info packets for preliminary developments and commercial sites; instead, all info is posted on the county website; therefore, the brochure will be posted in subdivisions and stormwater mgmt
D3	Provide stormwater program contact info in annual drinking water report and respond to public concerns	Included federal, state and county stormwater contact information in annual drinking water report – July; included contact information on the county website	Plan to include federal, state and county stormwater contact information in annual drinking water report and on the county website	None
D4	Develop and implement an inspection process for priority construction sites within the MS4 (does not include county operated sites)	Verified the construction site inspectors are QCI certified – March; continued following the “standard operating procedure” concerning inspecting priority construction sites within the MS4; inspected 8 priority sites during this reporting period	Continue following SOP guidelines; update if needed	Revised BMP descrip and goals during renewal
D5	Review current process for approving commercial/ subdivision construction site plans; update subdivision regulations, if needed, and implement any changes	Continued current process for approving commercial/ subdivision construction site plans; required qualifying construction sites to show proof of stormwater permit application before issuing permit to develop	Continue current process for approving commercial/ subdivision construction site plans	Revised BMP goals during renewal
D6	Implement procedures for qualifying, residential construction sites to provide stormwater permit application confirmation before obtaining a building permit	Inspection department added the question “Will there be one or more acres of land disturbed?” to the building permit application form – if checked, we will notify owner/developer about stormwater permit requirements, and we will inspect if it is a priority construction site	Continue following SOP guidelines; update if needed	Revised BMP descrip and goals during renewal

Post-Construction Stormwater Management in New Development and Redevelopment

BMP #	Description	2015/2016 Implementation Status	Proposed 2016/2017 Implementation of BMP	Comments/changes
E1	Review and approve subdivision development/ redevelopment site plans according to Madison County regulations	Madison County subdivision regulations meet the General Permit post-construction requirements – require detailed site plans demonstrating adequate BMP designs and provide for a re-approval process	Continue current process of reviewing and approving subdivision development/ redevelopment site plans	None
E2	Inspect, according to Madison County regulations, subdivision development/ redevelopment sites to verify, or enforce, post-construction control measure completion	Madison County subdivision regulations meet the General Permit post-construction requirements – inspection procedures for BMP installation and enforceable procedures for non-compliant projects	Continue current procedures for inspecting post-construction BMP installation and enforcement	None
E3	Ensure long-term operation and maintenance of post-construction control measures	Madison County subdivision regulations meet the General Permit post-construction requirements – provide for adequate long-term operation and maintenance of BMPs (continue assuming responsibility for operation and maintenance of structural control measures after the developer's two-year maintenance period)	Continue current policy to ensure long-term operation and maintenance of post-construction control measures	None
E4	Ensure county policies and specifications support green infrastructure and low-impact development	None	Make efforts to ensure future regulations/codes do not limit green infrastructure/LID techniques	None

Pollution Prevention/Good Housekeeping for Municipal Operations

BMP #	Description	2015/2016 Implementation Status	Proposed 2016/2017 Implementation of BMP	Comments/changes
F1	Deliver training to public works employees focusing on stormwater pollution, illicit discharges, water quality impacts and permit requirements; plan for refresher courses	Reviewed training requirements outlined in the pending new General Permit	Schedule training for appropriate employees; incorporate updated guidelines/ requirements from the new General Permit when issued	Due to changes in the requirements of the pending new General Permit (mainly SOP development), a decision was made to postpone training until the new requirements can also be incorporated
F2	Use county forces and inmates to pick up litter along county roadsides	Collected litter along roadsides on 24 occasions during this reporting period	Continue services when forces are available	None
F3	Reduce herbicide use in District 1 and District 4 of rural Madison County and continue no herbicide use in District 3 of rural Madison County	District One maintained county roadsides with one herbicide spray and then mowed the rest of the time; District Three maintained roadsides by mowing (with very minor spraying around obstacles); and District Four maintained with one herbicide spray and mowing the rest of the time	Continue low herbicide use for roadside maintenance in Districts 1, 3 and 4 of rural Madison County	Revised BMP description and goals during renewal

F4	Provide curbside recycling to rural Madison County residents	Supplied recycle bins and pick-up of recycled items for 39,000+ residents; items collected include plastic, aluminum, steel, newspapers, magazines and used motor oil; volumes (as of Feb 18) were 1,847 gallons of used motor oil and 2,730 tons of the remaining items combined (note: the oil volume includes the city of Huntsville which is not in this permit's service area); advertised the recycling program on the county website	Continue supplying recycle bins and pick-up of recycled items for 39,000+ homes	None
F5	Provide recycling drop-sites and pick-up service at centralized locations in rural Madison County	Supplied five (5) recycling drop sites; advertised the recycling program on the county website	Provide same five (5) sites	None
F6	Implement recycling programs (tires, electronics, appliances, etc.) for the residents of Madison County	Collected 257 tons of tires through a tire recycling program; advertised the curbside, drop-site, and tire recycling programs on the county website; collected 4,540 lbs of waste through an electronic waste recycling program for county employees – drop boxes were provided at 2 county offices (courthouse basement and purchasing warehouse)	Implement/advertise programs as they become available	None
F7	Employee attendance at stormwater/pollution prevention workshops and seminars	Employee attended “2 nd Annual MS4 Conference” – April; employee obtained QCI Certification through Home Builders Association – April; seven (7) employees attended the annual “Qualified Credentialed Inspector Refresher Training: Part 1—2-Hr Classroom Session” sponsored by ALDOT – June & July; employee attended “Alabama Clean Water Partnership Watershed Conference” – December	Plan to participate as events warrant	None
F8	Conduct inspections of county facilities and operations to determine if BMPs are needed to correct pollution/runoff problems	No departments requested guidance	Assist any county departments requesting guidance on inspecting facilities and in selecting, installing or maintaining BMPs; to aid with inspecting facilities and selecting/implementing BMPs, incorporate updated guidelines/requirements from the new General Permit when issued	Due to changes in the requirements of the pending new General Permit (mainly SOP development/training), a decision was made to postpone inspection guidance until the new requirements can also be incorporated