

RUSSELL COUNTY COMMISSION
P.O. BOX 969
PHENIX CITY, AL 36868

STORM WATER MANAGEMENT
PROGRAM (SWMP) PLAN

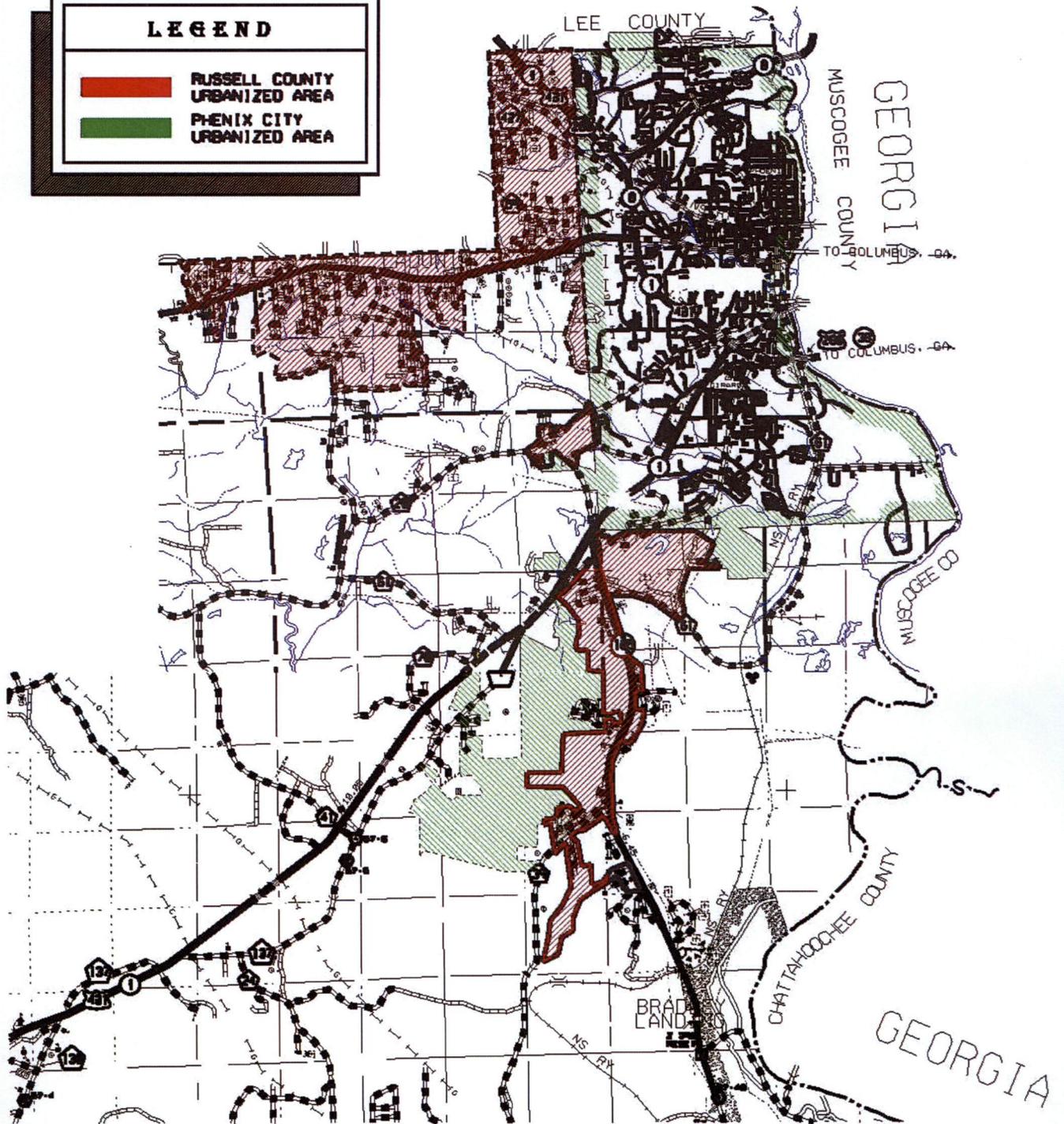
NPDES PERMIT NO. ALR040028

March 2016

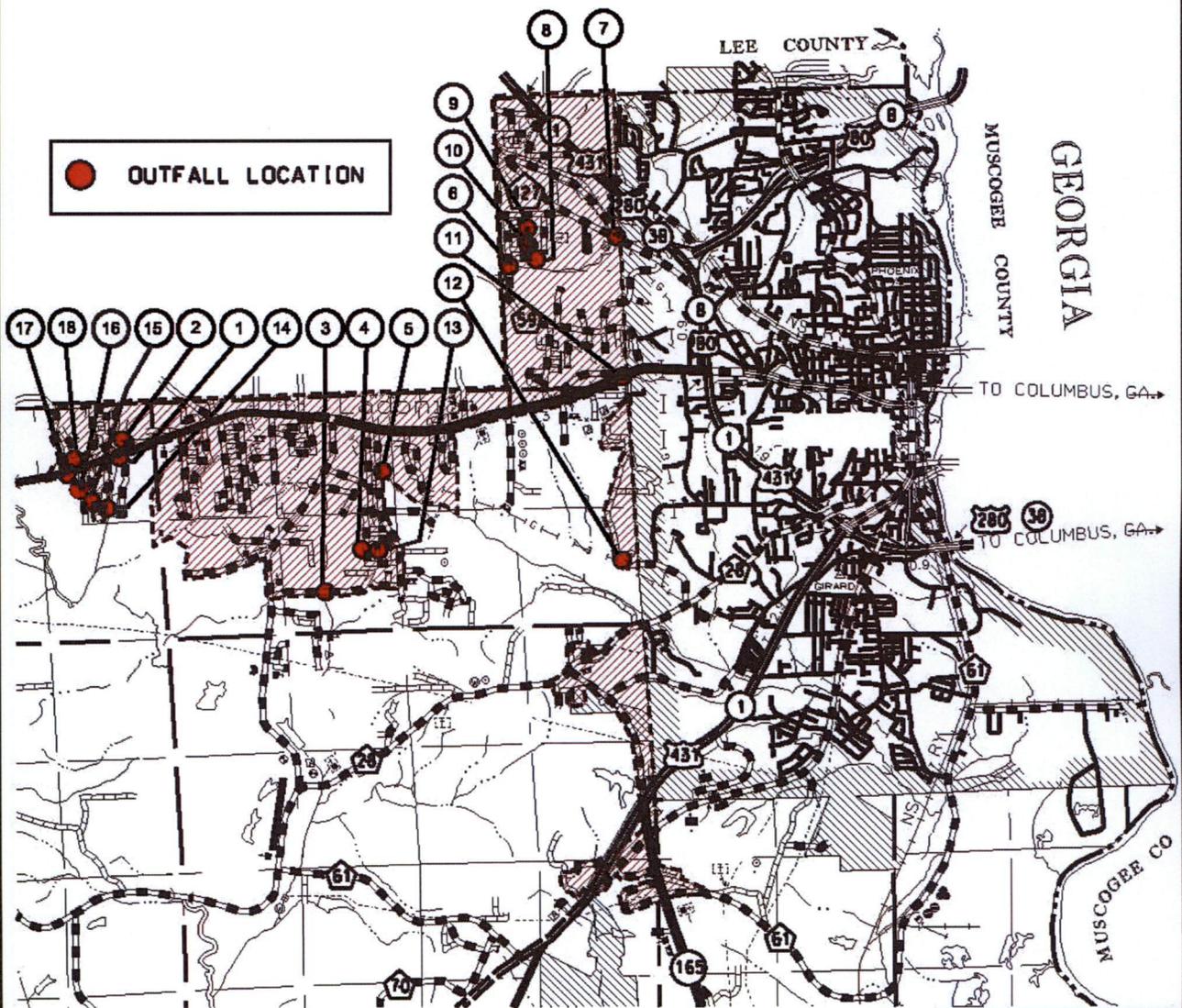
RUSSELL COUNTY, AL MS4 PERMIT AREA 2013

LEGEND

-  RUSSELL COUNTY URBANIZED AREA
-  PHENIX CITY URBANIZED AREA



RUSSELL COUNTY, AL MS4 OUTFALL LOCATION MAP 2013



SECTION 1.

Public Education and Outreach on Storm Water Impacts

- 1(a)** The MS4 NPDES Permit requires the Permittee to implement a public education and outreach program to distribute educational materials to the community and conduct equivalent outreach activities about the impact of discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.
- 1(b)** The County must document the methodology for the development of a storm water public education and outreach program.
- i** Russell County has implemented a public outreach program that involves the placing of brochures throughout the MS4 target area. These brochures are placed at schools and public buildings in the target area and informs individuals about the steps they can take to reduce storm water pollution.
- ii** Brochures will inform the public on how to become involved in the storm water program, such as informing them on making wise decision about how to reduce polluted runoff in activities they may engage in. Russell County is also actively involved in the PALS program, Adopt a Mile Program, and Adopt an Area Program. These programs actively involve the public on cleaning up the community and educating them about a clean environment.
- iii** Target audience for the MS4 are homeowners, renters and small businesses. This is the major makeup of people in the MS4 target area.
- iv** The target pollutant sources in the MS4 area are illegal dumping of trash ON County rights-of-ways and construction site erosion preventative measures.
- v** Brochures will be used to reach the target audience along with community outreach programs such as PALS, Adopt a Mile Program, and Adopt an Area Program and expects to reach over 500 people over the permit term.
- vi** Responsible for the overall management and implementation of SWMP is Alan McClure QCI # 31304.
- vii** Overall success of this SWMP will be measured in decreased illegal trash pick – ups, decreased illegal tire dumps and better construction site best management practices.
- viii** **Report** : Illegal dumps are still being found on County right-of way. These items range from couches, sofas, tires, construction debris to household garbage. Corrective measures are in place to help insure trash is being removed in a timely manner from the right-of way as it is found.

SECTION 2.

Public Involvement and Participation

- 2.(a)** The Permittee must at a minimum, comply with applicable State, and local public notice requirements when implementing a public involvement / participation program.
- i** Russell County has involved the public with poster distributed throughout the MS4 area. These posters are placed at schools and public buildings in the target area. Feedback forms are placed to so the public can provide suggestions or ideas on how to further the program. Alabama Litter Laws Pamphlet are also distributed

- throughout the target area to inform the public on what constitutes criminal littering and Highway littering.
- ii Russell County plans to involve the public with posters detailing steps they can take to reduce trash in MS4 area. Feedback forms are placed to so the public can provide suggestions or ideas on how to further the program.
 - iii Target audience for the MS4 are homeowners, renters, and small businesses. This is the major makeup of people in the target area.
 - iv Public involvement entails the citizens participation of picking up of trash, education the target audience on the dangers of littering, and steps one can take on the notifying of illegal trash dumps.
 - v Responsible for the overall management and implementation of SWMP is Alan McClure QCI # 31304.
 - vi Overall success of this SWMP will be measured in decreased litter along the County rights-of-ways and fewer illegal trash dumps in the MS4 area.
 - vii **Report** : Litter along County right-of-ways are still being found. These items range from drink cups, fast food containers, beer bottles, aluminum cans to plastic shopping bags. Although corrective measures are in place to help insure the trash is picked up along the County right-of-way in a timely manner, roadside litter is still being thrown out of car windows rather than being deposited in an appropriate receptacle.

SECTION 3.

Illicit Discharge Detection and Elimination (IDDE)

- 3.1 The SWMP shall include an ongoing program to detect and eliminate illicit discharges into the permittees small MS4, and improper disposal, including spills into the MS4 to the maximum extent practical. Russell County routinely drives and inspects the MS4 permit area and has instructed its County staff to report any pollutants that are discharged in the permit area.
 - ii Russell County will update their storm sewer map annually or as changes are needed.
 - iii Russell County has two full time Special Enforcement Solid Waste Officers that routinely drive and inspect the MS4 permit area. Pursuant under Section 13A-7-29, Code of Alabama 1975, these officers routinely identify illegal dump sites and enforce the Alabama Litters Laws within the MS4 permit area.

Russell County also has an Interagency Cooperative Agreement / Contract No. C40598010 - Remediation of Discarded Scrap Tires, which routinely removes and discards scrap tires from County rights-of-ways within the MS4 permit area.

Russell County Sanitation Department has implemented a roadside litter pickup program which involves 11 crews with 3 men each that removes trash along County road right-of-way 3 days a week, every week.
 - iv Russell County's IDDE program will be evaluated annually to see if the best practices are being used.
 - v Russell County has Employee Safety meetings in which informing the employees on illegal discharges and improper disposal of waste are the main topic.

- vi** Non storm water discharges such as water line flushing, landscape irrigation, diverted stream flows, and rising ground waters are not a problem in Russell County's MS4 permit area.
- vii** Russell County has developed a storm water map depicting the outfalls in the MS4 permit area. The entire MS4 permit area was driven and walked to obtain the data to complete the storm water map. However, updates are now being implemented using GIS to further obtain more accurate and reliable data.
- bii** The mechanism that Russell County has chosen to effectively prohibit illicit discharges is to do routine monthly inspections. This method is chosen because a visible presence is being shown to the public that someone is watching and inspecting and it also familiarizes personal with the MS4 area.
- iii** A plan to ensure appropriate enforcement procedures are taken on illegal discharges are follow up inspections of the site and paperwork closing out of the issuing work order.
- iv** The plan to detect illicit discharges involves monthly routine inspections of the MS4 permit area. Russell County has two full time Special Enforcement Solid Waste Officers that routinely drive and inspect the MS4 permit area. Pursuant under Section 13A-7-29, Code of Alabama 1975. Addressing the illicit discharge area involves the input of a work order that issues a meeting of how to best address the situation and instruction on how to best clean up the illicit discharge. Evaluation and assessment will be done annually when all data is compiled and reviewed.
- v** Russell County will inform the general public and local businesses of illegal discharges through the posting of posters and the distribution of pamphlets.
- vi** Responsible for the overall management and implementation of SWMP is Alan McClure QCI # 31304.
- vii** Overall success of this SWMP will be measured in decreased litter and fewer illegal trash dumps.
- vii** **Report** : Illegal dumps and roadside litter are still being found on County right-of way. Corrective measures are in place to help insure the illegal dumps / litter is being removed from the right-of way as it is found.

SECTION 4.

Construction Site Storm Water Runoff Control

- 4(a)** Russell County will develop, implement and enforce a program to reduce pollutants in any storm water runoff in the MS4 permit area.
 - i** Russell County has put in place a monthly surveillance of the total MS4 permit area that is to be checked for any construction or land disturbance that is at least one acre in size. Less than one acre is to be inspected if site is part of a larger construction activity to be built in phases.
 - ii** Training for the MS4 Staff will be done in accordance with ADEM Admin Code R.335-6-12. Quality Control Inspectors are actively involved in classes which keep their license current.
 - iii** Any site that has not been issued a NPDES Permit and fits the criteria as stated in section 4.1, will be reported as non-compliant to ADEM and enforced according to ADEM 40 CFR Part 122.35(b)..

- iv Russell County will work together with ADEM in the enforcement of appropriate erosion and sedimentation controls of sites that meet the criteria as states in section 4.1 above.
- v Russell County will document the decision process for the development of a construction site storm water control program. Included will be the individual BMPs, measurable goals and responsible persons for said program.
- e.i The mechanism Russell County will use to require erosion and sediment controls at construction sites may rely on ADEM for enforcement in accordance with 40 CFR 122.35(b). Russell County has two full time Special Enforcement Solid Waste Officers that routinely drive and inspect the MS4 permit area. Pursuant under Section 13A-7-29, Code of Alabama 1975.
- ii Ensuring compliance will be enforced by ADEM and follow up inspections.
- iii Construction site operators will be required to follow their approved BMP plan for a monthly site inspection will identify any corrective actions that need to be taken.
- iv Plan review will consist of evaluating the contractors BMP to ensure that the water quality is not affected.
- v Information received by the public will be taken into consideration by the County.
- vi Site inspection and prioritization will be upon a sequential basis and inspected as such.
- vii Responsible for the overall management and inspection of individual BMPs is Alan McClure QCI # 31304.
- viii The success of each minimum measure will be judged by the effectiveness of the finished individual measure. Each individual measure will be selected according to the Alabama handbook for Erosion Control, Sediment Control and Storm Water Management on Construction Sites and Urban Areas, March 2009.
- x **Report:** No land disturbances over 1 acre were found in the MS4 permit area during the last fiscal year that fell under Russell County Engineering jurisdiction.

SECTION 5.

Post-Construction Storm Water Management in New Development and Re development

- 5(a)** Russell County has developed, implement and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan.

Subdivision Regulations of Russell County, Alabama revised February 1, 2011 states in Section 5.5.3 (6) Grading and Erosion Control Plan showing the original and finished contours, location, and type of measures anticipated for erosion and sediment control and storm water management. The plan shall use the "Alabama Handbook for Erosion Control, Sediment Control and Storm water Management on Construction Sites and Urban Areas" published by the Alabama Soil and Water Conservation Committee as a guide and incorporate the applicable best management practices found therein in addition to any other practices proven successful elsewhere.

7 Drainage Plan required for all major subdivisions and minor subdivisions that create more than one acre of disturbance or an increase in peak runoff. The Drainage Plan shall meet the minimum standards of design and general

requirements for the construction of public improvements as set forth in these Regulations. Unless otherwise indicated, a Drainage Plan shall be drawn at a scale of not less than one inch equals fifty feet. The Rational Method may be used for drainage areas up to and including 50 acres and the Soil Conservation Service Method shall be used for drainage areas greater than 50 acres. The Drainage Plan shall contain the following information:

- a. Location of proposed drainage ways, streams, and ponds in the subdivision.
- b. Topography at suitable contour intervals, as approved by the County Engineer, to show proposed drainage.
- c. Area of land contributing run-off to each drainage structure along with run-off calculations and applicable coefficients depending method used.
- d. Location, size, and invert elevations of proposed drainage ditches, basins, and structures including culverts, bridges, pipes, drop inlets, junction boxes, and top elevations of head walls, etc., showing details on the Drainage Plan.
- e. Construction details of typical inlets, junction boxes, connections and other proposed drainage structures.
- f. Typical cross-sections of each drainage way.

Russell County will use these measures to ensure the maintenance and integrity of the construction site are kept up to these standards.

Report : No subdivisions were being constructed in the MS4 permit area during the last fiscal year.

SECTION 6.

Pollution Prevention / Good Housekeeping for Municipal Operations

- 6(a)** Russell County has employee meetings that entail the showing of videos of pollution prevention and the lecturing of pollution prevention.
- 6(b)** Russell County has employee meetings that entail the showing of videos of pollution prevention and the lecturing of pollution prevention.
- 6(c)** Russell County will take inventory of all of its regular and routine maintenance and look to where it can reduce and prevent pollutant runoff of these operations.
 - i** Operations identified in Sec. 6(b) are as follows.
 1. Fleet and building maintenance.
 2. Road and highway maintenance.
 3. Maintenance and Storage yards
 - ii** Russell County has employee meetings that entail the showing of videos of pollution prevention and the lecturing of pollution prevention.
The Russell County employee training meeting will address maintenance activities and schedules and long term inspection procedures.
 - iv** Responsible for the overall management and implementation of SWMP is Alan McClure QCI # 31304.
 - v** Overall success will be measured in the reduction of pollution in the MS4 target area.
 - vi** **Report :** Russell County employees are now being trained and advised of litter prevention. All County vehicles are now under inspection for the overall appearance and cleanliness of said vehicle. Drivers of unclean or dirty vehicles are given a verbal warning for first offense. Second offense drivers will be written up.