

Phase II Municipal Separate Storm
Sewer System (MS4)

Stormwater Management Program
(SWMP)

Submitted to:

Environmental Protection Division
Georgia Department of
Natural Resources

Prepared By:

Rockdale County
958 Milstead Avenue
Conyers, Georgia 30012

June 6, 2018

**STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION**

Storm Water Management Program (SWMP)

General NPDES Permit No. GAG610000 for
Small Municipal Separate Storm Sewer Systems (MS4)

1. General Information

- A. Name of small MS4: Rockdale County
- B. Name of responsible official: Osborn Nesbitt, Sr.
Title: Chairman
Mailing Address: 958 Milstead Avenue
City: Conyers State: GA Zip Code: 30012
Telephone Number: 770-278-7001
- C. Designated stormwater management program contact:
Name: Dr. Ann Wead Kimbrough
Title: Director, Stormwater Management Department
Mailing Address: 958 Milstead Ave
City: Conyers State: GA Zip Code: 30012
Telephone Number: 770-278-7155
Email Address: Ann,Kimbrough@RockdaleCountyGA.gov

2. Sharing Responsibility

- A. Has another entity agreed to implement a control measure on your behalf?
Yes _____ No X (If no, skip to Part 3)

Control Measure or BMP:

1. Name of entity _____
2. Control measure or component of control measure to be implemented by entity on your behalf:

- B. Attach an additional page if necessary to list additional shared responsibilities. **It is mandatory that you submit a copy of a written agreement between your MS4 and the other entity demonstrating written acceptance of responsibility.**

3. Minimum Control Measures and Appendices

- A. Public Education and Outreach
- B. Public Involvement/Participation
- C. Illicit Discharge Detection and Elimination
- D. Construction Site Stormwater Runoff Control
- E. Post-Construction Stormwater Management in New Development and Redevelopment
- F. Pollution Prevention/Good Housekeeping
- G. Appendix – Enforcement Response Plan
- H. Appendix – Impaired Waters

4. Certification Statement

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 upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Printed Name: Osborn Nesbitt, Sr Date: 2/14/2020
Signature:  Title: Chairman

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Storm Water Management Program

Public Education and Outreach on Storm Water Impacts

40 CFR Part 122.34(b)(1) Requirement: The permittee must implement a public education program to distribute educational materials to the community and/or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

See Table 4.2.1(a) of the Permit

A. Best Management Practice (BMP) #1 **Educational Brochures**

1. Target audience: General Public
2. Description of BMP: The County will distribute stormwater-related educational brochures to the residents of the County. New brochures will be developed or existing brochures will be used. The brochures will include, but are not limited to, information about stormwater pollution prevention, watershed protection, erosion and sedimentation control, illicit discharges, etc. Examples of previously distributed educational brochures are included in Attachment A, as A1.a-c.
3. Measurable goal(s): The County will mail stormwater educational brochures in the utility bill to approximately 25,000 residents three times annually. The County will verify that the brochures were mailed in specific utility bills and months by requesting a confirmation email from the mailing vendor. The brochures will generally be mailed in the January, March, and September utility bills, but may vary depending on the topic and availability for the bill insert. The County will evaluate this BMP annually to ensure it meets the needs of the community. The BMP will be revised if necessary.
4. Documentation to be submitted with each annual report: Copies of the brochures will be submitted with each annual report and labeled to indicate the month they were mailed. The confirmation email from the utility bill mailing vendor will be provided.
5. Schedule:
 - a. Interim milestone dates (if applicable): N/A
 - b. Implementation date (if applicable): N/A

c. Frequency of actions (if applicable): 3 X yearly

d. Month/Year of each action (if applicable): Varies

6. Person (position) responsible for overall management and implementation of the BMP: Environmental & Technical Services Manager

7. Rationale for choosing BMP and setting measurable goal(s): This BMP is cost effective to reach a large audience with educational information.

8. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: Annual surveys of utility customers

B. BMP #2
County Website

1. Target audience: General Public
2. Description of BMP: The Stormwater Management Department will maintain a website in conjunction with the County's website. The stormwater portion of the website will include, but is not limited to, information about pollution prevention, watershed protection, erosion & sedimentation control, illicit discharges, etc. The County's website address is www.rockdalecountyga.gov; stormwater information is located under Stormwater Management within the County Departments. Copies of pages from the stormwater portion of the website are included in Attachment A, as A2.a-c.
3. Measurable goal(s): Maintain a current educational website containing useful stormwater-related information for the residents. The County will evaluate this BMP annually to ensure it meets the needs of the community. The BMP will be revised if necessary.
4. Documentation to be submitted with each annual report: The County will submit copies of any updated or changed web pages and include the number of visits to the website.
5. Schedule:
 - a. Interim milestone dates (if applicable): N/A
 - b. Implementation date (if applicable): N/A
 - c. Frequency of actions (if applicable): Annually
 - d. Month/Year of each action (if applicable): Annually
6. Person (position) responsible for overall management and implementation of the BMP: Environmental & Technical Services Manager
7. Rationale for choosing BMP and setting measurable goal(s): This BMP allows the public to have easy access to educational information that can be readily updated.

8. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: Number of visits to the website will be measured annually.

C. BMP #3
School Presentations

1. Target audience: General Public
2. Description of BMP: The Stormwater Management Department will present to school group(s) annually. Topics will include, but are not limited to, pollution prevention, storm drain stenciling program, illicit discharges, and impaired waters within Rockdale County. Copies of example presentations are included in Attachment A, as A3.a-b.
3. Measurable goal(s): Participate for school educational program initiatives with stormwater related presentations. The County will evaluate this BMP annually to ensure it meets the needs of the community. The BMP will be revised if necessary.
4. Documentation to be submitted with each annual report: The County will submit locations, dates and examples of presentations given during the year.
5. Schedule:
 - a. Interim milestone dates (if applicable): N/A
 - b. Implementation date (if applicable): N/A
 - c. Frequency of actions (if applicable): Annually
 - d. Month/Year of each action (if applicable): Annually
6. Person (position) responsible for overall management and implementation of the BMP: Environmental & Technical Services Manager
7. Rationale for choosing BMP and setting measurable goal(s): This BMP allows children to learn about pollution prevention in the County where they live.
8. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: The approximate number of children listening and observing the material annually.

D. BMP #4

Local Access Channel Education

1. Target audience: General Public
2. Description of BMP: The Stormwater Management Department will coordinate with Rockdale County's Public Relations department to post educational segments annually. Topics will include, but are not limited to, pollution prevention, storm drain stenciling program, drainage systems and structures, illicit discharges, and impaired waters within Rockdale County.
3. Measurable goal(s): Coordinate with Public Relations for educational program initiatives with stormwater related segments in Rockdale County's local news station. The County will evaluate this BMP annually to ensure it meets the needs of the community. The BMP will be revised if necessary.
4. Documentation to be submitted with each annual report: The County will submit segment subjects, dates and examples of presentations / postings given during the year.
5. Schedule:
 - a. Interim milestone dates (if applicable): N/A
 - b. Implementation date (if applicable): N/A
 - c. Frequency of actions (if applicable): Annually
 - d. Month/Year of each action (if applicable): Annually
6. Person (position) responsible for overall management and implementation of the BMP: Environmental & Technical Services Manager
7. Rationale for choosing BMP and setting measurable goal(s): This BMP allows residents to learn about pollution prevention and the role of stormwater in the County where they live.
8. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: The estimation of residents listening and observing the material annually.

Note: At a minimum, the MS4 must include a BMP in the SWMP for each BMP listed in the NPDES Permit. For those minimum control measures (MCM) without specific BMPs listed in the Permit, the MS4 should implement at least 2 BMPs for each MCM. If additional BMPs are chosen, then you should attach an additional sheet for each BMP.

Public Involvement/Participation

40 CFR Part 122.34(b)(2) Requirement: The permittee must, at a minimum, comply with State and local public notice requirements when implementing a public involvement/participation program.

See Table 4.2.2 (a) of the Permit

A. Best Management Practice (BMP) #1 **Storm Drain Stenciling Program**

1. Target audience/stakeholder group: General Public
2. Description of BMP: The Stormwater Management Department will maintain a Storm Drain Stenciling Program that provides plastic tiles that read "No Dumping, Drains to Stream", location maps, supplies, training, and informational brochures for the volunteers to affix the stencils onto storm drains. The program will be advertised through the website, flyers, and press releases. A storm drain location map, copies of training materials and instructions, supply checklist, and copy of a brochure used for the program are included in Attachment B, as B1.a-e.
3. Measurable goal(s): Involve volunteers to stencil and / or replace 100 storm drains annually. The County will update the storm drain stenciling map indicating new and replaced stencils annually. The County will evaluate this BMP annually to ensure it meets the needs of the community. The BMP will be revised if necessary.
4. Documentation to be submitted with each annual report: The county will provide photos of the event, volunteer sign in sheets, and volunteer maps showing their notations of drains marked during the event. A second map labeled "storm drain stencil location map" will be provided showing the storm drains that have been stenciled to date throughout the county.
5. Schedule:
 - a. Interim milestone dates (if applicable): N/A
 - b. Implementation date (if applicable): N/A
 - c. Frequency of actions (if applicable): N/A
 - d. Month/Year of each action (if applicable): Annually

6. Person (position) responsible for overall management and implementation of the BMP: ____ Environmental & Technical Services Manager____
7. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP raises awareness about the location and function of the storm drainage system, specifically the program educates about stormwater pollution prevention and teaches the general public that storm drains release directly into streams and rivers in the community.
8. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Monitor volunteer participation in the program, and continue discussions with neighborhood homeowners' association groups when available.

B. BMP #2

Rivers Alive Litter Cleanup

1. Target audience/stakeholder group: General Public
2. Description of BMP: The County will organize and manage a Rivers Alive litter cleanup event. The County will advertise the event through flyers, press releases, and the website. The County will provide cleanup supplies, logistics (e.g. removal of collected trash), and refreshments for the events. An example registration form and a copy of the form for reporting the amount of trash collected and number of participants in the events (Litter Cleanup Event Result Form) is included in Attachment B, as B2.a-b.
3. Measurable goal(s): The County will track the amount of litter collected from the event. The litter that is collected will not enter the MS4, therefore, ultimately improving water quality.
4. Documentation to be submitted with each annual report: The County will provide photos of the event, report the number of participants and the amount of litter collected using the Litter Cleanup Event Result Form, included in Attachment B2.
5. Schedule:
 - a. Interim milestone dates (if applicable): N/A
 - b. Implementation date (if applicable): N/A
 - c. Frequency of actions (if applicable): Annually
 - d. Month/Year of each action (if applicable): Annually
6. Person (position) responsible for overall management and implementation of the BMP: Director, Public Relations
7. Rationale for choosing BMP and setting measurable goal(s): This BMP raises awareness about the amount of trash and debris that accumulates in the community, and hopefully changes the behavior of each participant. The cleanup event will also remove litter from the landscape and potential pollutants from the watersheds.

8. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
The County will track the amount of litter collected from the event. The litter that is collected will not enter the MS4, therefore, ultimately improving water quality.

C. **BMP #3**

Great American Litter Cleanup

1. Target audience/stakeholder group: General Public
2. Description of BMP: The County will organize and manage a Great American Cleanup. The County will advertise the event through flyers, press releases, and the website. The County will provide cleanup supplies, logistics (e.g. removal of collected trash), and refreshments for the events. An example litter cleanup event registration form and a copy of the form for reporting the amount of trash collected and number of participants in the events (Litter Cleanup Event Result Form) is included in Attachment B, as B3.a-b.
3. Measurable goal(s): The County will track the amount of litter collected from the event. The litter that is collected will not enter the MS4, therefore, ultimately improving water quality.
4. Documentation to be submitted with each annual report: The County will provide photos of the event, report the number of participants and the amount of litter collected using the Litter Cleanup Event Result Form, included in Attachment B3.
5. Schedule:
 - a. Interim milestone dates (if applicable): N/A
 - b. Implementation date (if applicable): N/A
 - c. Frequency of actions (if applicable): Annually
 - d. Month/Year of each action (if applicable): Annually
6. Person (position) responsible for overall management and implementation of the BMP: Director, Public Relations
7. Rationale for choosing BMP and setting measurable goal(s): This BMP raises awareness about the amount of trash and debris that accumulates in the community, and hopefully changes the behavior of each participant. The cleanup event will also remove litter from the landscape and potential pollutants from the watersheds.

8. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
The County will track the amount of litter collected from the events. The litter that is collected will not enter the MS4, therefore, ultimately improving water quality.

D. BMP #4

Hotline / After Hours

1. Target audience/stakeholder group: General Public
2. Description of BMP: The County has an After Hours phone number used for emergency situations as well as an Environmental Concern Form located on the Stormwater Management's Home Page on the County website. The website location of the phone number and form, and a copy of the Environmental Concern Form are included in Appendix B, as B4.a-b.
3. Measurable goal(s): The County will track the number of calls and requests from this option of reporting from residents.
4. Documentation to be submitted with each annual report: The County will report the number of requests using this system, and an example of a completed Environmental Concern Form.
5. Schedule:
 - a. Interim milestone dates (if applicable): N/A
 - b. Implementation date (if applicable): N/A
 - c. Frequency of actions (if applicable): Annually
 - d. Month/Year of each action (if applicable): Throughout year
6. Person (position) responsible for overall management and implementation of the BMP: Environmental & Technical Services Manager
7. Rationale for choosing BMP and setting measurable goal(s): This BMP allows residents to alert the County during non-business hours of potential environmental issues.
8. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: The County will track the amount of requests called / emailed during after-hours.

Note: At a minimum, the MS4 must include a BMP in the SWMP for each BMP listed in the NPDES Permit. For those MCMs without specific BMPs listed in the Permit, the MS4 should implement at least 2 BMPs for each MCM. If additional BMPs are chosen, then you should attach an additional sheet for each BMP.

Illicit Discharge Detection and Elimination

40 CFR Part 122.34(b)(3) Requirement: The permittee must develop, implement and enforce a program to detect and eliminate illicit discharges into your small MS4. You must:

- A) Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters of the State that receive discharges from those outfalls;
- B) Effectively prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into your storm sewer system and implement appropriate enforcement procedures and actions;
- C) Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to your system; and
- D) Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.

See Table 4.2.3 (a) of the Permit

A. Best Management Practice (BMP) #1 **Legal Authority**

1. Description of BMP: _____
The County must prohibit through ordinance non-stormwater discharges into the County's MS4 and implement appropriate enforcement procedures and actions. The County adopted the Illicit Discharge and Illegal Connection Ordinance on July 26, 2005 and later incorporated the ordinance into the County's Unified Development Ordinance on November 28, 2006. The Illicit Discharge and Illegal Connection Ordinance is included in Attachment C, as C1
2. Measurable goal(s): The County will evaluate and if necessary, modify the existing ordinance. If the ordinance is revised during the reporting period, a copy will be submitted with the annual report
3. Documentation to be submitted with each annual report: _____
If the ordinance is revised during the reporting period, a copy will be submitted with the annual report.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A

- b. Implementation date (if applicable): __ N/A __
- c. Frequency of actions (if applicable): __ N/A __
- d. Month/Year of each action (if applicable):__ N/A __

B. BMP #2
Outfall Map & Inventory

1. Description of BMP: _____
The County's permitted area is considered the urbanized area determined by the latest Decennial Census by the Bureau of the Census, located within the unincorporated Rockdale County. Since the urbanized area includes the City of Conyers jurisdiction, the unincorporated County is considered the County's jurisdiction without including the City limits. Therefore, the County's jurisdictional permitted area is the urbanized area located within unincorporated Rockdale County. Any reference to the unincorporated County or urbanized area within the SWMP will reflect the County's jurisdictional permitted area.

The County will continue to inspect its MS4 outfalls and update the inventory and map showing the location of all its outfalls from the MS4 and the names and locations of all Waters of the State that receive discharges from those outfalls. A copy of the current MS4 outfall map and MS4 outfall inventory is included in Attachment C, as C2 and C3, respectively.

2. Measurable goal(s): _____
The County has developed and will continue to update an inventory and map that shows the locations of all urbanized MS4 outfalls per the latest census results and identify the Waters of the State that are receiving discharges from those outfalls.

3. Documentation to be submitted with each annual report: _____
The County will submit an updated outfall map and inventory annually noting any MS4 outfalls that are added. In addition to existing and new outfalls, the inventory will include the total number of outfalls and identify the Waters of the State that are receiving discharges from those outfalls.

4. Schedule:
- a. Interim milestone dates (if applicable): N/A

- b. Implementation date (if applicable): N/A

- c. Frequency of actions (if applicable): Continuous
- d. Month/Year of each action (if applicable): Annually

5. Person (position) responsible for overall management and implementation of the BMP:___ Environmental & Technical Services Manager _____
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Review and monitor results of the Monitoring & Implementation Plan (MIP).

C. BMP #3
IDDE Plan

1. Description of BMP: _____
The County will implement an Illicit Discharge Detection and Elimination (IDDE) Plan to detect and address non-stormwater discharges to the MS4, as included in Attachment C, as C4. As part of the IDDE Plan, the County will perform dry weather screening inspections on the outfalls in the MS4 inventory according to the *Rockdale County Dry Weather Screening Procedures*, which are included in Attachment C, as C5. The program includes screening approximately 20% of the outfalls annually, ensuring that 100% of all of the outfalls are screened during the 5-year permit period with a minimum of 5% annually. The Dry Weather Outfall Screening Form is included in Attachment C, as C6.

Any illicit discharges that are discovered will be investigated, source-traced, and eliminated according to the *Rockdale County Source Tracing Procedures*, included in Attachment C, as C7. During the investigation, the Source Tracing Form will be used, which is also included in Attachment C, as C8.

Enforcement action, when necessary, will be according to the *Rockdale County Illicit Discharge / Illegal Connection Enforcement Action Procedures*, which is included in Attachment C, as C9. Enforcement will also enforce the Illicit Discharge and Illegal Connection Ordinance.

Enforcement action procedures will also be included in the Enforcement Response Plan (ERP) in Appendix A of this document.

2. Measurable goal(s): _____
The County will continue to implement the IDDE Plan to detect and address non-stormwater discharges to the MS4. The IDDE Plan includes conducting dry weather screening inspections on approximately 20% of all outfalls annually with a minimum of 5% to be inspected, ensuring that 100% of the outfalls are screened during the 5-year permit period. All dry weather screening inspections will be done according to the *Rockdale County Dry Weather Screening Procedures*.

The IDDE Plan includes investigating dry weather discharges according to the *Rockdale County Source Tracing Procedures* and reporting the findings in the Illicit Discharge / Illegal Connection Log (ID/IC Log).

The IDDE Plan includes eliminating any identified illicit discharges and/or illegal connections using the enforcement procedures detailed in the

Rockdale County Illicit Discharge/Illegal Connection Enforcement Action Procedures, and in accordance with the ERP, as necessary.

3. Documentation to be submitted with each annual report: _____
The County will provide the number of outfall inspections completed, inspection forms, and documentation of source tracing and elimination during the reporting period. The County will provide information on any illicit discharge detection activities performed during the reporting period in the ID / IC Log (as Attachment C10), including the results of source tracing procedures, elimination of illicit discharges, and enforcement actions taken to eliminate illicit discharges during the reporting period.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A

 - b. Implementation date (if applicable): N/A

 - c. Frequency of actions (if applicable): Continuous
 - d. Month/Year of each action (if applicable): Annually

5. Person (position) responsible for overall management and implementation of the BMP: Environmental & Technical Services Manager
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
The County will track the number of illicit discharges that are eliminated. Removing illicit discharges reduces the amount of pollution to and from the MS4 that discharges to Waters of the State.

D. BMP #4
Education (Illicit Discharges)

1. Description of BMP:
The County will educate the general public, businesses, and County employees about the hazards of illicit discharges as part of BMPs contained in other MCMs, specifically:
 - Educational brochures will include information about illicit discharges. Examples are included in Attachment A, as A1.a.
 - The stormwater website will include information about illicit discharges. Copies of webpages are included in Attachment A, as A2.a.
 - The storm drain stenciling program will educate volunteers and the general public about illicit discharges. The training materials are included in Attachment B, as B1.a-e.
 - Good housekeeping training for County employees will include information about illicit discharges. A copy of the training program is included in Attachment F, as F7.
2. Measurable goal(s):
The County will continue to implement a program to educate the public, businesses, and government employees about the hazards of illicit discharges through the measures noted above.
3. Documentation to be submitted with each annual report:
The County will submit the brochures, web pages, and training documents that are used to educate the public, businesses, and County employees about the hazards of illicit discharges in the annual report.
4. Schedule:
 - a. Interim milestone dates (if applicable): ___N/A___

 - b. Implementation date (if applicable): ___N/A___

 - c. Frequency of actions (if applicable): ___Continuous___
 - d. Month/Year of each action (if applicable): ___Annually___

5. Person (position) responsible for overall management and implementation of the BMP: ___ Environmental & Technical Services Manager ___
6. Rationale for choosing BMP and setting measurable goal(s): _____

This BMP is a requirement of the County's Phase II MS4 NPDES permit.

7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Review the results of the monitoring program.

E. BMP #5

Complaint Response (After Hours)

1. Description of BMP:
The County will maintain an After Hours Environmental Call Line for citizens to report environmental concerns, including illicit discharges and illegal dumping. The After Hours phone number is 770-278-7145. All after hour complaints will be investigated and tracked on the Illicit Discharge / Illegal Connection Log, included in Attachment C, as C10. Illicit discharge and illegal connection complaints are currently received, investigated, and tracked according to the Rockdale County Illicit Discharge/Illegal Connection Complaint Response Procedures, included in Attachment C, as C11.
2. Measurable goal(s):
The County will continue to investigate illicit discharge and illegal connection complaints. All after hour calls received will be documented, investigated, and the resolution tracked using the Illicit Discharge / Illegal Connection Log. Additionally, the procedures for receiving, investigating, and tracking illicit discharge complaints are included in the ERP.
3. Documentation to be submitted with each annual report:
The County will document the environmental concerns that are received through the After Hours Environmental Call Line, subsequent investigation, and resolution on the After Hours Environmental Call Log (e.g. complaint date, type of complaint, complaint status) in the annual report. All illicit discharges and illegal connections will also be documented in the ID / IC Log, as Attachment C10, and included in the annual report.
4. Schedule:
 - a. Interim milestone dates (if applicable): ___N/A___

 - b. Implementation date (if applicable): ___N/A___

 - c. Frequency of actions (if applicable): ___Continuous___
 - d. Month/Year of each action (if applicable): ___Annually___

5. Person (position) responsible for overall management and implementation of the BMP: ___ Environmental & Technical Services Manager ___
6. Rationale for choosing BMP and setting measurable goal(s): _____

This BMP is a requirement of the County's Phase II MS4 NPDES permit.

7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Review the results of the monitoring program.

Note: At a minimum, the MS4 must include a BMP in the SWMP for each BMP listed in the NPDES Permit. If additional BMPs are chosen, then you should attach an additional sheet for each BMP.

Construction Site Storm Water Runoff Control

40 CFR Part 122.34(b)(4) Requirement: The permittee must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Storm water discharges from construction activity disturbing less than one acre must be included in the permittee's program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must include:

- A) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance;
- B) Requirements for construction site operators to implement appropriate erosion and sediment control best management practices;
- C) Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;
- D) Procedures for site plan review which incorporate consideration of potential water quality impacts;
- E) Procedures for receipt and consideration of information submitted by the public; and
- F) Procedures for site inspection and enforcement of control measures.

See Table 4.2.4 (a) of the Permit

A. Best Management Practice (BMP) #1
Legal Authority (Soil Erosion and Sedimentation Control Ordinance)

1. Description of BMP: _____
The County must require through ordinance or other regulatory mechanism erosion and sediment controls and sanctions to ensure compliance. The County originally adopted the Soil Erosion and Sedimentation Control (E&SC) Ordinance on June 22, 2004, then incorporated the ordinance into the County's Unified Development Ordinance on November 28, 2006, and later amended the ordinance on July 13, 2010 and March 27, 2018. The Soil Erosion and Sedimentation Control Ordinance is included in Attachment D, as D1.
2. Measurable goal(s): _____
The County will evaluate and if necessary, modify the existing E&SC or litter control ordinances. If either of the ordinances are revised during the reporting period, a copy of the adopted ordinance will be submitted with the annual report.
3. Documentation to be submitted with each annual report: _____
If either ordinance is revised during the reporting period, a copy will be submitted with the annual report.
4. Schedule:
 - a. Interim milestone dates (if applicable): ____ N/A _____

 - b. Implementation date (if applicable): ____ N/A _____

 - c. Frequency of actions (if applicable): ____ N/A _____

 - d. Month/Year of each action (if applicable): ____ N/A _____

5. Person (position) responsible for overall management and implementation of the BMP: ____ Director, Stormwater Management Department _____
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.

7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
This ordinance provides several measures that reduce pollution to receiving waters.

B. BMP #2
Site Plan Review Procedures (Erosion and Sedimentation Control)

1. Description of BMP: _____
Erosion, Sedimentation, and Pollution Control Plans (ESPCPs) submitted to the County as part of a land disturbance permit (LDP) application will be reviewed according to the *Rockdale County Construction Site Plan Review Procedures*, which is included in Attachment D, as D2. The plan review process will also be consistent with all of the requirements for being a Local Issuing Authority (LIA) with a Memorandum of Agreement (MOA) with the Soil and Water Conservation District and the Georgia Soil and Water Conservation Commission. Rockdale County is an LIA with an MOA; the requirements include, record keeping, enforcement, staff training and certification, and the use of approved checklists during the plan review process. A copy of the County's MOA is included in Attachment D, as D3. All ESPCPs are reviewed for compliance using the approved ESPCP checklists provided by Georgia Soil and Water Conservation Commission, which are included in Attachment D, as D4.a-c. The LDP will not be issued until all items on the approved checklists are satisfied.
2. Measurable goal(s): _____
100% of all ESPCPs submitted to the County will be reviewed for compliance according to the *Rockdale County Construction Site Plan Review Procedures*, using the approved ESPCP checklists
3. Documentation to be submitted with each annual report: _____
The County will include a copy of the Erosion and Sedimentation Control Plan Review Log, which contains a list of the ESPCPs received, reviewed, whether they were approved or denied, and other information. The Erosion and Sedimentation Control Plan Review Log is included in Attachment D, as D5.
4. Schedule:
 - a. Interim milestone dates (if applicable): _N/A_

 - b. Implementation date (if applicable): _N/A_

 - c. Frequency of actions (if applicable): _Continuous_
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): This BMP is a requirement of the County's Phase II MS4 NPDES permit and requirements of the MOA with the GSWCC for the LIA status.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: Construction project plan review will help to ensure less pollution leaves construction sites from improperly designed BMPs and will help prevent pollutants from entering receiving waters.

C. BMP #3
Inspection Program (Construction Sites)

1. Description of BMP: _____
The County will conduct construction site inspections to ensure that the E&SC structural and non-structural BMPs are properly designed, installed, and maintained according to the approved ESPCPs. Construction site inspections will be completed according to the *Rockdale County Construction Site Stormwater Runoff Control Inspection Procedures* (included in Attachment D, as D6), which enforces the County's Soil Erosion and Sedimentation Control Ordinance. Inspections will also be consistent with the requirements for being a Local Issuing Authority (LIA) with a Memorandum of Agreement (MOA) with the Soil and Water Conservation District and the Georgia Soil and Water Conservation Commission.
2. Measurable goal(s): _____
The County will continue to implement the *Rockdale County Construction Site Stormwater Runoff Control Inspection Procedures*. The purpose of the inspections is to ensure that structural and non-structural BMPs at construction sites are properly designed and maintained and that construction site waste is properly controlled. At a minimum, inspections will occur following the installation of initial BMPs, during active construction, and after final stabilization of the site.
3. Documentation to be submitted with each annual report: _____
The County will include a copy of the Construction Site Inspection Log, which contains a list of active construction sites and the inspections conducted during the reporting period. The Construction Site Inspection Log is included in Attachment D, as D7.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A

 - b. Implementation date (if applicable): N/A

 - c. Frequency of actions (if applicable): Continuous
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): This BMP is a requirement of the County's Phase II MS4 NPDES permit and requirements of the MOA with the GSWCC for the LIA status.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: Construction site inspections will help to ensure less pollution leaves sites from improperly constructed or maintained BMPs and will help prevent pollutants from entering receiving waters.

D. BMP #4

Enforcement Procedures (Erosion and Sedimentation Control Violations)

1. Description of BMP: _____
The County will conduct enforcement for Erosion and Sedimentation Control (E&SC) violations according to the *Rockdale County Erosion and Sedimentation Control Violation Enforcement Procedures* (included with Attachment D, as D8), which enforces the County's Soil Erosion and Sedimentation Control Ordinance. Enforcement will also be consistent with the requirements for being a Local Issuing Authority (LIA) with a Memorandum of Agreement (MOA) with the Soil and Water Conservation District and the Georgia Soil and Water Conservation Commission.
2. Measurable goal(s): _____
The County will continue to implement enforcement procedures for E&SC violations using the *Rockdale County Erosion and Sedimentation Control Violation Enforcement Procedures*.
3. Documentation to be submitted with each annual report: _____
The County will include a copy of the Construction Site Inspection Log that reports the number, type, and status of any enforcement actions taken during the reporting period. The Construction Site Inspection Log is included in Attachment D, as D7.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A

 - b. Implementation date (if applicable): N/A

 - c. Frequency of actions (if applicable): Continuous
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____

This BMP is a requirement of the County's Phase II MS4 NPDES permit and requirements of the MOA with the GSWCC for the LIA status.

7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
The County will track the number of E&SC violations and complaints for active construction sites. Proper erosion and sedimentation control on construction sites reduces pollution to the MS4.

E. BMP #5

Complaint Response (Erosion and Sedimentation Control)

1. Description of BMP: _____
The County will receive, investigate, respond to, and track all erosion and sedimentation control complaints according to the *Rockdale County Erosion and Sedimentation Control Complaint Response Procedures*, included in Attachment D, as D9. The Rockdale County Stormwater Management Department will lead the investigation depending on the nature and location of the complaint.
2. Measurable goal(s): _____
Rockdale County will continue to receive, investigate, respond to, and track E&S complaints using the *Rockdale County Erosion and Sedimentation Control Complaint Response Procedures*.
3. Documentation to be submitted with each annual report: _____
The County will report the complainant's information, location, date, type, and status or resolution summary for each E&SC complaint. The E&SC complaints are recorded and tracked on the ID / IC Log, included in Attachment C, or the Construction Site Inspection Log, included in Attachment D.
4. Schedule:
 - a. Interim milestone dates (if applicable): _N/A_

 - b. Implementation date (if applicable): _N/A_

 - c. Frequency of actions (if applicable): _Continuous_
 - d. Month/Year of each action (if applicable): Continuous

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.

7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
The County will track the number of E&SC violations and complaints for active construction sites. Proper erosion and sedimentation control on construction sites reduces pollution to the MS4.

F. BMP #6

Certification (Erosion and Sedimentation Control)

1. Description of BMP: _____
All MS4 County personnel involved in the administration, plan review, and/or construction site inspection of projects subject to Construction General Permits (CGPs) will be trained and certified in accordance with the rules adopted by the Georgia Soil and Water Conservation Commission.
2. Measurable goal(s): _____
All County MS4 staff involved in construction activities subject to CGPs will have the appropriate Georgia Soil and Water Conservation Commission training.
3. Documentation to be submitted with each annual report: _____
The names, titles, and current certification types held by applicable County MS4 staff will be reported.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A _____

 - b. Implementation date (if applicable): N/A _____

 - c. Frequency of actions (if applicable): Continuous _____
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____

Knowledgeable inspectors and review staff will help to ensure that less pollution leaves construction sites from improperly designed, constructed, or maintained BMPs.

Note: At a minimum, the MS4 must include a BMP in the SWMP for each BMP listed in the NPDES Permit. If additional BMPs are chosen, then you should attach an additional sheet for each BMP.

Post-Construction Storm Water Management in New Development and Redevelopment

40 CFR Part 122.34(b)(5) Requirement: The permittee must develop, implement, and enforce a program to address storm water runoff into the MS4 from new development and redevelopment projects, including projects less than one acre if they are part of a larger common plan of development or sale. You must:

- A) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your community;
- B) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development or redevelopment projects; and
- C) Ensure adequate long-term operation and maintenance of BMPs.

See Table 4.2.5 (a) of the Permit

A. Best Management Practice (BMP) #1 Legal Authority (Post-Development Stormwater Management Ordinance)

1. Description of BMP: _____
The County must use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects. The County adopted the Post-Development Stormwater Management Ordinance on August 23, 2005 and later incorporated the ordinance into the County's Unified Development Ordinance on November 28, 2006. The Post-Development Stormwater Management Ordinance is included in Attachment E, as E1. The Georgia Stormwater Management Manual was adopted by the County and is contained within the Post-Development Stormwater Management Ordinance.
2. Measurable goal(s): _____
The County will continue to implement the Post-Development Stormwater Management Ordinance. The County will evaluate and if necessary, modify the existing ordinance. If the ordinance is revised during the reporting period, a copy will be submitted with the annual report.
3. Documentation to be submitted with each annual report: _____
Any revisions to the ordinance will be submitted.
4. Schedule:

- a. Interim milestone dates (if applicable): N/A
- b. Implementation date (if applicable): N/A
- c. Frequency of actions (if applicable): Continuous
- d. Month/Year of each action (if applicable): Continuous

B. BMP #2
Inventory (Post-Construction Stormwater Management Structures)

1. Description of BMP: _____
The County will continue to maintain and update, as needed, an inventory and map of all publicly and privately-owned post-construction stormwater management structures. All new structures that are completed and any existing structures that are identified will be added to the inventory. A copy of the current Private BMP Inventory, Public BMP Inventory, and BMP Summary is included in Attachment E, as E2. The BMP Location Map is included in Attachment E, as E3.
2. Measurable goal(s): _____
The County will maintain and update, as needed, its inventory and map of all privately and publicly-owned post-construction stormwater management structures as new structures are completed or existing structures are identified, which are located within the urbanized unincorporated Rockdale County per the latest census results. The inventory shall include the number and type of structures, and ownership information.
3. Documentation to be submitted with each annual report: _____
The County will submit an updated inventory that includes all new post-construction stormwater management structures as they are completed and existing structures that are identified and added to the inventory during the reporting period. The County will submit the BMP Location Map in the annual report.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A _____

 - b. Implementation date (if applicable): N/A _____

 - c. Frequency of actions (if applicable): Continuous _____

 - d. Month/Year of each action (if applicable): Continuous_____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department

6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with
Part 5.1.4 of the Permit: _____
Review the results of the monitoring implementation program.

C. BMP #3

Inspection Program (Post-Construction Stormwater Management Structures)

1. Description of BMP: _____
The County will inspect the post-construction stormwater management structures in the inventory. All of these structures will be inspected once during each 5-year permit period. All inspections will be performed according to the *Rockdale County Post-Construction Stormwater Management Structure Inspection Procedures*, included in Attachment E, E4.

2. Measurable goal(s): _____
Inspect approximately 20% of the post-construction stormwater management structures, with a minimum of 5%, annually so that 100% are inspected within the 5-year permit period. All post-construction stormwater management structures will be inspected according to the *Rockdale County Post-Construction Stormwater Management Inspection Procedures*.

3. Documentation to be submitted with each annual report: _____
A map depicting which post-construction stormwater management structures were inspected during the reporting period, the *Rockdale County Operation and Maintenance Inspection Reports for Stormwater Management Detention Ponds (BMP Inspection Reports)*, and a BMP Inspection Log containing the BMP ID, location information, ownership information, date of inspection, and whether or not maintenance is required will be submitted. The blank BMP Inspection Report and example BMP Inspection Log is included in Attachment E, as E5 and E6 respectively.

4. Schedule:
 - a. Interim milestone dates (if applicable): N/A

 - b. Implementation date (if applicable): N/A

 - c. Frequency of actions (if applicable): Continuous
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Over time, if the inspections reveal that fewer pollutants (i.e. sediment, floatables, and trash) are being deposited in the BMPs, the vegetation is stabilized, and water quality monitoring shows water quality improvements; we may be able to conclude that the overall program is resulting in less pollution entering the MS4.

D. BMP #4

Maintenance Program (Post-Construction Stormwater Management Structures)

1. Description of BMP: _____
The County will continue to implement a long-term operation and maintenance program for all publicly-owned post-construction stormwater management structures (e.g. detention/retention ponds, water quality vaults, and infiltration structures) and the privately-owned structures permitted and constructed after December 6, 2012. Publicly-owned structures will be maintained according to the *Rockdale County Stormwater Utility MS4 Maintenance Procedures*, included in Attachment E, as E8. Privately-owned structures permitted and constructed after December 6, 2012 will be maintained by the owner according to the executed maintenance agreement on file with the County. An example of the County's maintenance agreement is included in Attachment E, as E7.

2. Measurable goal(s): _____
The County will continue to implement a long-term operation and maintenance program to maintain publicly-owned stormwater management structures in the inventory. At a minimum, all items that are identified through the *Rockdale County Post-Construction Stormwater Management Structure Inspection Procedures* (included in Attachment E, as E4), will be addressed as funding/resources allow. The maintenance will be performed according to the *Rockdale County Stormwater Utility MS4 Maintenance Procedures*, included in Attachment E, as E8.

The County will require all privately-owned stormwater management structures permitted and constructed after December 6th, 2012 to be maintained according to the maintenance agreements on file with the County. An example summary list of the maintenance agreements for projects permitted and constructed after December 6th 2012 is included in the Post-Construction Stormwater Management Structure Maintenance Agreement Log, included as Attachment E9.

3. Documentation to be submitted with each annual report: _____
 - a. A list of the publicly-owned structures maintained and the type of maintenance performed during each reporting period will be submitted. Additionally, appropriate documentation of the completed maintenance will be submitted (e.g. photos, dump tickets, invoices, contracts, communications, etc.).

 - b. The total number and a summary list of all maintenance agreements for privately-owned structures permitted and constructed after December 6, 2012 will be updated with any new agreements executed, and submitted

with the annual report in the Post-Construction Stormwater Management Structure Maintenance Agreement Log.

4. Schedule:
- a. Interim milestone dates (if applicable): _N/A_____

 - b. Implementation date (if applicable): _N/A_____

 - c. Frequency of actions (if applicable): _Continuous_____
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Over time, if the inspections reveal that fewer pollutants (i.e. sediment, floatables, and trash) are being deposited in the BMPs, the vegetation is stabilized, and water quality monitoring shows water quality improvements; we may be able to conclude that the overall program is resulting in less pollution entering the MS4.

E. BMP #5
GI/LID Structures

1. Description of BMP: _____
The County developed an inventory (including number, type, and location) of water quality-related GI / LID structures, located within the urbanized area of the unincorporated Rockdale County per the latest census results that are permitted (i.e. reviewed and approved) and constructed after December 6, 2012.
2. Measurable goal(s): _____
The County will track the addition of new water quality-related GI / LID structures through the plan review process and will ensure that the inventory is continuously updated as new GI / LID structures are constructed or identified, or the urbanized area changes per the latest census. The inventory will be updated and submitted annually.
3. Documentation to be submitted with each annual report: _____
The GI / LID inventory (including number, type, and location) is updated to include all new structures constructed during the reporting period.
4. Schedule:
 - a. Interim milestone dates (if applicable): _N/A_ _____

 - b. Implementation date (if applicable): _N/A_ _____

 - c. Frequency of actions (if applicable): _Continuous_ _____
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Review the results of the monitoring program.

F. BMP #6
GI / LID Program

1. Description of BMP: _____
The County will develop a program describing the GI / LID practices (e.g. better site planning techniques, better site design techniques).
2. Measurable goal(s): _____
The GI / LID Program developed by the County will include procedures for evaluating the feasibility and site applicability of different GI / LID practices, structures allowed to be constructed, and procedures for inspection and maintenance of the structures. This program will be submitted to EPD by February 15, 2020.
3. Documentation to be submitted with each annual report: _____
If the GI / LID Program is updated during the permitting year, the new Program will be included within the annual report..
4. Schedule:
 - a. Interim milestone dates (if applicable): Feb. 15, 2020 _____

 - b. Implementation date (if applicable): Feb. 15, 2020 _____
 - c. Frequency of actions (if applicable): N/A _____
 - d. Month/Year of each action (if applicable): N/A _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Review the results of the monitoring program.

G. BMP #7
GI / LID Inspection and Maintenance Program

1. Description of BMP: _____
The County will conduct inspections and maintenance activities of the GI / LID Structure Inventory based on the GI/LID Program developed by February, 15, 2020.
2. Measurable goal(s): _____
The inspections will occur on 100% of GI/LID structures to be inspected within the 5-year permit term beginning in 2020.
3. Documentation to be submitted with each annual report: _____
Documentation of the inspections will be included with each annual report, maintenance records and percentage of total structures maintained will be submitted with each annual report. Maintenance records of publicly-owned structures owned by other entities and privately-owned non-residential structures will be included in the annual report.
4. Schedule:
 - a. Interim milestone dates (if applicable): Feb. 15, 2020 _____

 - b. Implementation date (if applicable): Feb. 15, 2020 _____
 - c. Frequency of actions (if applicable): Continuous _____
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Review the results of the monitoring program.

Note 1: Part 4.2.5.2 of the Permit requires an evaluation of the MS4's building codes, ordinances, and other regulations to ensure they do not prohibit or impede

the use of Green Infrastructure/Low Impact Development (GI / LID). Include a BMP at the end of the Post-Construction minimum control measure to address this requirement.

Note 2: At a minimum, the MS4 must include a BMP in the SWMP for each BMP listed in the NPDES Permit. If additional BMPs are chosen, then you should attach an additional sheet for each BMP.

Pollution Prevention/Good Housekeeping for Municipal Operations

40 CFR Part 122.34(b)(6) Requirement: The permittee must develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. Using training materials available from the USEPA and other organizations as guidance, the permittee must, as a part of this program, include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

See Table 4.2.6 (a) of the Permit

A. Best Management Practice (BMP) #1 MS4 Control Structure Inventory and Map

1. Description of BMP: _____
The County will continue to update and maintain the MS4 control structure inventory and map. At a minimum it will include, all publicly-owned catch basins, ditches (miles or linear feet), detention/retention ponds, and storm drain lines (miles or linear feet) located within the urbanized unincorporated Rockdale County.

A copy of the current MS4 Control Structure Map and MS4 Control Structure Inventory are included in Attachment F, as F1 and F2 respectively.

2. Measurable goal(s): _____
The County has developed and will continue to update the MS4 control structure inventory and the map as new structures are constructed or existing structures are identified, or the urbanized area changes per the latest census. The inventory and map at a minimum will include all publicly-owned catch basins, ditches (miles or linear feet), detention/retention ponds, and storm drain lines (miles or linear feet).

3. Documentation to be submitted with each annual report: _____
The number of structures added during the reporting period and the total number of structures in the inventory will be submitted, along with updated maps per structure: catch basins, ditches, ponds and storm drain lines.

4. Schedule:

a. Interim milestone dates (if applicable): _N/A_

- b. Implementation date (if applicable): _N/A_____
- c. Frequency of actions (if applicable): _Continuous_____
- d. Month/Year of each action (if applicable): Continuous_____

5. Person (position) responsible for overall management and implementation
of the BMP: Director, Rockdale County Stormwater Management
Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with
Part 5.1.4 of the Permit: _____
Review the results of the monitoring program.

B. BMP #2
MS4 Inspection Program (MS4 Control Structures)

1. Description of BMP: _____
The County will inspect the MS4 control structures for 100% of the structures to be inspected within a 5-year permit period. All MS4 control structures will be inspected according to the *Rockdale County Stormwater Utility MS4 Inspection Procedures*, included in Attachment F, as F3. The maintenance needs for the MS4 control structures are assessed according to the *Rockdale County MS4 Inventory and Maintenance Assessment Field Manual (MS4 Field Manual)*, which is included in Attachment F, as F4. The features collected during MS4 inspections are listed in the MS4 Inspection Summary, included in Attachment F, as F5. The MS4 inventory and inspection data will be collected in the field electronically using ArcGIS or similar software.
2. Measurable goal(s): _____
Inspect approximately 20%, minimum of 5%, of the MS4 control structures annually, so that 100% of the MS4 is inspected within the 5-year permit period. All MS4 control structures will be inspected according to the *Rockdale County Stormwater Utility MS4 Inspection Procedures*. The inspection data that is collected of all structures, pipes, and channels is summarized in the MS4 Inspection Summary.
3. Documentation to be submitted with each annual report: _____
The number and percentage of the MS4 control structures inspected during the reporting period will be submitted. Examples of completed inspection forms will also be submitted.
4. Schedule:
 - a. Interim milestone dates (if applicable): _N/A_

 - b. Implementation date (if applicable): _N/A_

 - c. Frequency of actions (if applicable): _Continuous_
 - d. Month/Year of each action (if applicable): Continuous

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department.

6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Over time, if the inspections reveal that fewer pollutants (i.e. sediment, floatables, and trash) are being deposited in the MS4, and water quality monitoring shows water quality improvements; we may be able to conclude that the overall program is resulting in less pollution entering the MS4.

C. BMP #3

MS4 Maintenance Program (MS4 Control Structures)

1. Description of BMP: _____
Maintain MS4 control structures identified as needing maintenance through the inspection process, citizen service requests, or through a proactive program. The goal of the MS4 control structure maintenance program is to address all items identified as needing maintenance according to the *Rockdale County MS4 Inventory and Maintenance Assessment Field Manual*, included in Attachment F, as F4. The features collected during MS4 inspections are listed in the MS4 Inspection Summary, included in Attachment F, as F5. MS4 maintenance will be performed according to the *Rockdale County Stormwater Utility MS4 Maintenance Procedures*, included in Attachment E, as E8.
2. Measurable goal(s): _____
The County will maintain all MS4 control structures from the inventory that have a sufficient maintenance priority when funding / resources are available. The maintenance will be performed according to the *Rockdale County Stormwater Utility MS4 Maintenance Procedures*. All maintenance activities will be documented using a municipal maintenance service request software platform. Data is pulled from the platform to create maintenance summary logs.
3. Documentation to be submitted with each annual report: _____
The County will report the number and type of structures that are maintained, and will be reported in a maintenance summary log.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A _____

 - b. Implementation date (if applicable): N/A _____

 - c. Frequency of actions (if applicable): Continuous _____
 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department

6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Over time, if the inspections reveal that fewer pollutants (i.e. sediment, floatables, and trash) are being deposited in the MS4, and water quality monitoring shows water quality improvements; we may be able to conclude that the overall program is resulting in less pollution entering the MS4.

D. BMP #4
Street and Parking Lot Sweeping

1. Description of BMP: _____
The County will continue to semi-annually sweep the streets on the Rockdale County Priority Road List, which is included in Attachment F, as F6. Currently, County-owned parking lots are not swept due to their heavy use throughout the day and continuous occupation, restricting access for the street sweeper.
2. Measurable goal(s): _____
Semi-annually sweep the streets on the Rockdale County Priority Road List. Currently, no County-owned parking lots are swept due to their heavy use that restricts access for the street sweeper.
3. Documentation to be submitted with each annual report: _____
The County will report the list of streets swept, dates of sweeping, and documentation of the litter removed (i.e. dump tickets).
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A

 - b. Implementation date (if applicable): N/A

 - c. Frequency of actions (if applicable): 2X/Annually
 - d. Month/Year of each action (if applicable): 2X/Annually

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
The County will track the amount of pollution that is removed from the MS4 by the dump tickets provided by the street sweeping contractor

E. BMP #5

Employee Training (Good Housekeeping)

1. Description of BMP: _____
The County will train all County employees whose jobs involve field work and that use potentially polluting materials about the proper storage, handling, and disposal of materials, stormwater pollution prevention, and the dangers of illicit discharges to the MS4. One intention of including all field personnel is to educate about illicit discharges for reporting incidents to the Stormwater Management Department. The current training includes employees either viewing a PowerPoint presentation or the presentation is delivered by Stormwater Management staff. An example presentation is included in Attachment F, as F7. Once the employee has either viewed the presentation or has been an attendee in a class setting, the employee is required to sign a Sign-In Sheet.

2. Measurable goal(s): _____
All County field employees and employees that use potentially polluting materials will receive training once, at a minimum, during the 5-year permit cycle. The training presentation will be reviewed and updated as needed to meet the needs of the County.

3. Documentation to be submitted with each annual report: _____
The current presentation, the sign-in sheets verifying which employees received training, and the total number of employees trained during the reporting period will be submitted.

4. Schedule:
 - a. Interim milestone dates (if applicable): _N/A_

 - b. Implementation date (if applicable): _N/A_

 - c. Frequency of actions (if applicable): _1X/Annually_
 - d. Month/Year of each action (if applicable): 1X/Annually_

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
Employees trained to properly handle potentially polluting materials will prevent spills and/or overuse and reduce stormwater pollution reaching the MS4 and receiving waters. Field personnel have the most opportunity to notice potential illicit discharges to report to the Stormwater Management Department.

F. BMP #6
Waste Disposal (MS4 Maintenance Activities)

1. Description of BMP: _____
All waste materials generated or removed from the MS4 through contracted or county personnel will be disposed of properly according to the *Rockdale County Waste Disposal Procedures*, included in Attachment F, as F8.
2. Measurable goal(s): _____
All waste material removed or generated from MS4 maintenance activities will be disposed of at a legal landfill or other proper disposal facility according to the *Rockdale County Waste Disposal Procedures*. Proper disposal tracking will be accomplished by reviewing all project “dump tickets” from MS4 maintenance activities.
3. Documentation to be submitted with each annual report: _____
A summary list of “dump tickets” received and reviewed from all MS4 maintenance activities during the reporting period will be submitted.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A

 - b. Implementation date (if applicable): N/A

 - c. Frequency of actions (if applicable): Continuous
 - d. Month/Year of each action (if applicable): Continuous

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County’s Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____
The amount of waste that is removed from the MS4 will be tracked. Waste removed from the MS4 reduces pollution in downstream waters.

G. BMP #7

New Flood Management Projects (WQ Plan Review)

1. Description of BMP: _____
Proposed flood management projects submitted for review as part of a land disturbance permit, land development, or proposed by the County will be assessed for water quality impacts per the Georgia Stormwater Management Manual (GSMM) requirements during the plan review process. The Stormwater Management Plan Review Checklist, included in Attachment F, as F9, will be used during the review process to ensure compliance with the GSMM requirements.
2. Measurable goal(s): _____
Proposed flood management projects submitted for review as part of a land disturbance permit, land development, or proposed by the County will be assessed for water quality impacts per the Georgia Stormwater Management Manual (GSMM) requirements during the plan review process. The Stormwater Management Plan Review Checklist will be used during the review process to ensure compliance with the GSMM requirements.
3. Documentation to be submitted with each annual report: _____
The number of plans received, reviewed, approved, or denied for water quality impacts during the reporting period will be submitted in the Stormwater Plan Review Log, included in Attachment F, as F10.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A _____

 - b. Implementation date (if applicable): N/A _____

 - c. Frequency of actions (if applicable): Continuous _____

 - d. Month/Year of each action (if applicable): Continuous _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.

7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: Properly designed flood management for new development minimizes the pollution that reaches receiving waters.

H. BMP #8

Existing Flood Management Projects (WQ Retrofitting)

1. Description of BMP: _____
The County will conduct assessments of existing publicly-owned flood management facilities for potential retrofitting to address water quality impacts according to the *Rockdale County Stormwater Management Existing Flood Management Project Assessment Procedures*, included in Attachment F, as F11. The assessments will be completed using the Water Quality Improvement Worksheet and the Drainage Improvement Project Design Checklist, included in Attachment F, as F12 and F13, respectively. Actual water quality retrofit construction will be completed as resources / funding are available.
2. Measurable goal(s): _____
The County will conduct at least one (1) review of existing publicly-owned flood management facilities for potential retrofitting to address water quality impacts according to the *Rockdale County Existing Flood Management Project Assessment Procedures*. The review will be completed using the Water Quality Improvement Worksheet and the Drainage Improvement Project Design Checklist.
3. Documentation to be submitted with each annual report: _____
The completed review for the selected existing flood management facility will be submitted.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A _____

 - b. Implementation date (if applicable): N/A _____

 - c. Frequency of actions (if applicable): Annually _____

 - d. Month/Year of each action (if applicable): Annually _____

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.

7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: Retrofitting existing flood management facilities has potential to reduce the amount of pollution reaching the receiving waters from the MS4.

I. BMP #9
Municipal Facilities

1. Description of BMP: _____
The County has updated the inventory of and inspection procedure for municipal facilities which have the potential to cause pollution. The County will conduct inspections on 100% of the municipal facilities within the 5-year permit period. The inventory, blank copy of the inspection form and inspection procedures are included in Appendix F, as F14, F15 and F16, respectively.
2. Measurable goal(s): _____
The County has an updated inventory of and inspection procedures for municipal facilities which have the potential to cause pollution. 100% of the municipal facilities on the inventory will be inspected over the 5-year permit period. The inventory will be updated annually, as new facilities are added.
3. Documentation to be submitted with each annual report: _____
The updated inventory and documentation of the municipal facilities inspected during the reporting period will be submitted.
4. Schedule:
 - a. Interim milestone dates (if applicable): N/A

 - b. Implementation date (if applicable): N/A

 - c. Frequency of actions (if applicable): Continuous
 - d. Month/Year of each action (if applicable): Continuous

5. Person (position) responsible for overall management and implementation of the BMP: Director, Rockdale County Stormwater Management Department
6. Rationale for choosing BMP and setting measurable goal(s): _____
This BMP is a requirement of the County's Phase II MS4 NPDES permit.
7. How you will determine whether this BMP is effective in accordance with Part 5.1.4 of the Permit: _____

County staff will improve housekeeping procedures based on recommendations from the findings of the inspections. The housekeeping improvements should result in less pollutants entering the MS4, therefore lowering the pollutant levels in stormwater.

Note:

At a minimum, the MS4 must include a BMP in the SWMP for each BMP listed in the NPDES Permit. If additional BMPs are chosen, then you should attach an additional sheet for each BMP.

Appendix G

Enforcement Response Plan

1. The MS4 must develop and implement an Enforcement Response Plan (ERP) that describes the action to be taken for violations of the Storm Water Management Program. The ERP must be completed and submitted with the second annual report following permit issuance, February 15, 2014.

Final completion date: February 15, 2014

Date of submittal to EPD: February 15, 2014

2. In accordance with Part 4.3 of the NPDES Permit, the ERP must include escalating enforcement responses for repeat and continuing violations. At a minimum, the ERP must address the following categories (refer to Part 4.3 of the NPDES Permit for more detail):
 - Names of ordinances and citations;
 - Types of enforcement mechanisms;
 - Description of the use of these enforcement mechanisms;
 - Time frames; and
 - Description of the tracking and reporting mechanism.

NOTE: Upon completion, the ERP will be included as an Appendix to the SWMP.

Appendix H

Impaired Waters

1. Population based on the 2010 U.S. Census: 85,215

If the population is less than 10,000, then see items #2 and #3 below.

If the population exceeds 10,000, then see items #4 and #5 below.

2. If the population is less than 10,000, then the MS4 must develop an Impaired Waters Plan (see Part 4.4.1 of the NPDES Permit) including:
 - A list of impaired waters and the pollutant(s) of concern;
 - A map showing the location of the impaired waters and all identified MS4 outfalls located on the impaired waters or occurring within one linear mile upstream of the waters;
 - BMPs that will be implemented to address each pollutant of concern; and
 - A schedule for implementing the BMPs.
3. The Impaired Waters Plan must be submitted with the annual report due February 15, 2015.

Final completion date/date of submittal to EPD: _____

4. If the population exceeds 10,000, then the MS4 must develop an Impaired Waters Plan/Monitoring and Implementation Plan (see Part 4.4.2 of the NPDES Permit) including:
 - A list of impaired waters and the pollutant(s) of concern.
 - A Monitoring and Implementation Plan, that includes:
 - a. Sample location;
 - b. Sample type, frequency, and seasonal considerations;
 - c. Monitoring implementation schedule;
 - d. A map showing the location of the impaired waters and all identified MS4 outfalls located on the impaired waters or occurring within one linear mile upstream of the waters or a schedule for confirming those outfalls; and
 - e. Description of proposed BMPs.
 - Description of the method used to annually assess data trends for each pollutant of concern.
5. The Impaired Waters Plan/Monitoring and Implementation Plan must be submitted with the annual report due February 15, 2015.

Final completion date/date of submittal to EPD: July 21, 2016

NOTE: Upon completion, the Impaired Waters Plan will be included as an Appendix to the SWMP.