



Georgetown County Stormwater Management Plan (SWMP)

Adopted July 1, 2014

Revised March 2016

Revised June 2018

Revised March 2020

Revised August 2021

Revised December 2021

129 Screven Street

Georgetown, SC 29440

Telephone: (843) 545-3258

Prepared in accordance with SCDHEC Permit #SCR030000

CERTIFICATION OF STORMWATER MANAGEMENT PLAN

I certify that Georgetown County has taken the necessary steps to obtain and maintain full legal authority to implement and enforce each of the requirements contained in the NPDES General Permit for Storm Water Discharges from Regulated Small Municipal Separate Storm Sewer Systems (SMS4), Permit Number SCR030000.

Angela Christian

Angela Christian
Name (Print)

Georgetown County

Administrator

County Administrator
Title

Angela Christian
Signature

1/11/2022
Date

Table of Contents

1.0	Introduction	1
2.0	Notice of Intent Requirements	1
3.0	Special Conditions Applicable to Discharges to Sensitive Waters	4
3.1	Determination of Receiving Water Conditions and Impacts	4
3.2	TMDL Monitoring and Assessment	4
3.3	TMDL Implementation and Analysis	5
3.4	Discharges to Impaired Waterbodies	5
3.5	Discharges to Classified Waters	5
3.6	Discharges to Source Water Protection Areas	6
4.0	Stormwater Management Plan (SWMP)	6
4.1.1	Requirements of the NPDES SMS4 General Permit	7
4.1.2	SWMP Development	7
4.1.3	Contents of the SWMP	7
4.1.4	Requirement to Develop Adequate Legal Authority	7
4.1.5	Enforcement Measures and Tracking	7
4.1.6	Report Requirements	8
4.1.7	SWMP Minimum Control Measures	8
4.1.10	SWMP Modifications	8
4.2	Minimum Control Measures	9
4.2.1	Public Education and Outreach (Minimum Measure #1)	9
4.2.1.1	Permit Requirements	9
4.2.1.2	BMP Implementation	9
4.2.2	Public Involvement / Participation (Minimum Measure #2)	11
4.2.2.1	Permit Requirements	12
4.2.2.2	BMP Implementation	12
4.2.3	Illicit Discharge Detection and Elimination (Minimum Measure #3)	14
4.2.3.1	Permit Requirements	14
4.2.3.2	BMP Implementation	17
4.2.4	Construction Site Stormwater Runoff Control (Minimum Measure #4)	21
4.2.4.1	Permit Requirements	21
4.2.4.2	BMP Implementation	25
4.2.5	Post-Construction Stormwater Management (Minimum Measure #5)	29
4.2.5.1	Permit Requirements	29
4.2.5.2	BMP Implementation	31
4.2.6	Pollution Prevention / Good Housekeeping (Minimum Measure #6)	33
4.2.6.1	Permit Requirements	33
4.2.6.2	BMP Implementation	36
4.5	Reviewing and Updating Stormwater Management Plan	39
5.3	Reporting	40

*Table of contents follows section numbers of the SMS4 General Permit; accordingly, section numbers of the SWMP are not in continuous sequential order.

List of Tables

Table 1:	NOI Information	1
Table 2:	2014 303(d) List of Impaired Stations within Georgetown County's SMS4 Area	4
Table 3:	List of Approved TMDLs	5
Table 4:	Classified Waters.....	6
Table 5:	SWMP Requirements.....	6
Table 6:	Minimum Measure #1 Permit Requirements	9
Table 7:	Best Management Practices – Minimum Measure #1.....	10
Table 8:	Minimum Measure #2 Permit Requirements	11
Table 9:	Best Management Practices – Minimum Measure #2.....	12
Table 10:	Minimum Measure #3 Permit Requirements	13
Table 11:	Best Management Practices – Minimum Measure #3	14
Table 12:	Minimum Measure #4 Permit Requirements	21
Table 13:	Best Management Practices – Minimum Measure #4	26
Table 14:	Minimum Measure #5 Permit Requirements	29
Table 15:	Best Management Practices – Minimum Measure #5	31
Table 16:	Minimum Measure #6 Permit Requirements	34
Table 17:	Best Management Practices – Minimum Measure #6	36
Table 18:	Reviewing and Updating SWMP	39
Table 19:	Reporting	40

Appendices

Appendix A:	SWMP Updates
Appendix B:	Georgetown County Urbanized Area
Appendix C:	TMDL Monitoring and Assessment Plans
Appendix D:	Georgetown County Stormwater Management Ordinance
Appendix E:	Standard Operating Procedures For Use in Field Investigations for Illicit Discharges
Appendix F:	Enforcement Response Plan
Appendix G:	Contract with Clemson University/Carolina Clear

List of Acronyms and Abbreviations

BMP	Best Management Practice
CEPSCI	Certified Erosion Prevention and Sediment Control Inspector
CSR	Construction Site Runoff
CWSEC	Coastal Waccamaw Stormwater Education Consortium
ERP	Enforcement Response Plan
EPA	Environmental Protection Agency
EPSC	Erosion Prevention and Sediment Control
IDDE	Illicit Discharge Detection and Elimination
IECA	International Erosion Control Association
MEP	Maximum Extent Practicable
MCM	Minimum Control Measure
MS4	Municipal Separate Storm System
NPDES	National Pollutant Discharge Elimination System
NOI	Notice of Intent
PP&GH	Pollution Prevention and Good House Keeping
PCR	Post Construction Runoff
PEO	Public Education and Outreach
PIP	Public Involvement and Participation
SMS4	Small Municipal Separate Storm System
SCDHEC	South Carolina Department of Health and Environmental Control
SOP	Standard Operating Procedure
SWMP	Stormwater Management Plan
SWP3	Storm Water Pollution Prevention Plan
TMDL	Total Maximum Daily Load
WLA	Waste Load Allocation

Georgetown County, South Carolina

NPDES Stormwater Management Plan (SWMP)

1.0 Introduction

This Stormwater Management Plan (SWMP) is designed to reduce the discharge of pollutants from Georgetown County's Small Municipal Separate Storm Sewer System (SMS4) to the maximum extent practicable (MEP), to protect water quality and to satisfy the appropriate requirements of the Clean Water Act. The contents are expected to change with time due to the iterative process of developing the SWMP recognized by the Environmental Protection Agency (EPA) and the South Carolina Department of Health and Environmental Control (SCDHEC). EPA predicts that it will likely take two to three SMS4 general permit terms (5-year terms) to fully develop and implement the SWMP. The first permit term focused heavily on data collection, organization, development of necessary programs, and initial implementation. During the current second SMS4 general permit cycle, the SWMP will need to be amended based on the observed effectiveness of existing program components and to address the terms and conditions of the new permit. This document is meant to be a living document that will be revisited on an annual basis to reflect accomplishments, potential revisions to program components, and additions of other or expanded efforts.

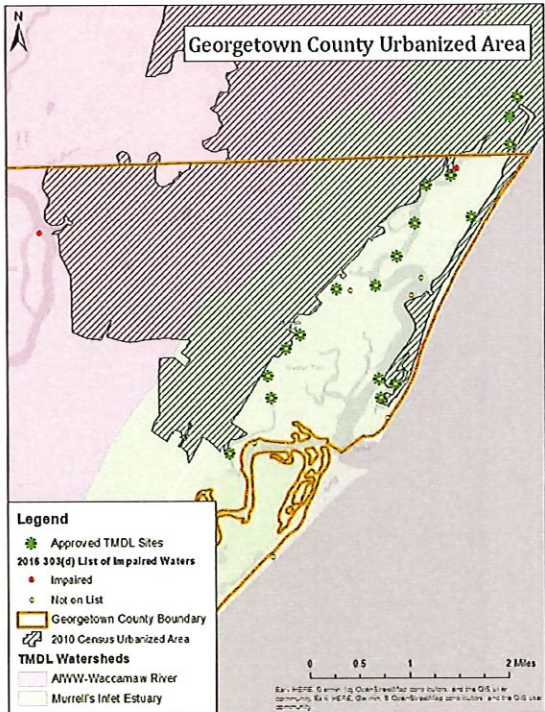
This SWMP addresses the requirements of the NPDES General Permit for Discharges from Regulated SMS4s; Permit No. SCR030000, effective January 1, 2014 and expiring December 31, 2018. The section numbers used in this SWMP correspond with the general permit section numbers.

Updates to the SWMP will be included in Appendix A.

2.0 Notice of Intent (NOI) Information

The following information is applicable to Georgetown County.

Table 1: NOI Information

General Permit Section	NOI Requirement	Description
2.2.1 Information on the Permittee:		
2.2.1.1	Name of Municipality:	Georgetown County
	Mailing Address:	Tracy Jones Stormwater Division Manager 120 Broad Street Georgetown, SC 29440
	Telephone Number:	(843) 545-3524
2.2.1.2	Public Entity Type:	County
2.2.2 Information on the SMS4:		
2.2.2.1	Map of Georgetown County:	<p>SMS4 Location: Georgetown County</p> <p>SMS4 Center Coordinates: Latitude: N33° 58.05' Longitude: W79° 01.64'</p> <p>SMS4 Urbanized Area: Approximately seven (7) square miles</p> 

General Permit Section	NOI Requirement	Description
2.2.2.2	Major Receiving Waters:	Allston Creek**, Atlantic Ocean**, Collins Creek, Main Creek**, Oaks Creek**, Parsonage Creek**, Waccamaw River*, Woodland Creek**
2.2.2.3	Indian Lands:	No portion of Georgetown County's SMS4 is located on Indian Country Lands.
2.2.2.4	List of Significant Entities within Georgetown County:	The following entities operate a municipal separate storm sewer system within the regulated SMS4 area of Georgetown County: <ul style="list-style-type: none"> • SCDOT
2.2.2.5	Other Governmental Entities:	<u>Clemson University Cooperative Extension Service:</u> Responsible for the Public Education and Outreach and the Public Participation/Involvement components of the NPDES program.
2.2.2.6	BMP Information:	See Section 4.0 for a discussion of the BMPs for each minimum measure. Each minimum measure contains all available information on the BMPs that are to be implemented, their measurable goals, a schedule for their implementation, and the person(s) responsible.

*Listed on the CWA 5303(d) list

**Allocated a TMDL

3.0 Special Conditions Applicable to Permitted Stormwater Discharges to Sensitive Waters

The SMS4 general permit requires that Georgetown County determine whether its systems discharge to sensitive waters. For the permit, sensitive waters are waters:

- With a Total Maximum Daily Load (TMDL) developed and approved, or established by EPA,
- Included in the most recent SC DHEC Section 303(d) list,
- In Source Water Protection Areas (SWPA), and
- Pursuant to DHEC Water Classifications & Standards (R.61-68) and Regulations (R.61-69) classified as either:
 - Outstanding National Resource Waters (ONRW)
 - Outstanding Resource Waters (ORW)
 - Trout Waters
 - Shellfish Harvesting Waters (SFH).

3.1 Determination of Receiving Water Conditions and Impacts

The SMS4 general permit requires Georgetown County to determine whether stormwater discharges from any part of the SMS4 contribute one or more pollutants directly or indirectly to an impaired waterbody that is listed in the most recent South Carolina 303(d) list. The list identifies waterbodies that do not currently meet state water quality standards. The list is intended to be used as a tool to determine what types of water quality improvement measures should be taken. To meet this SMS4 general permit requirement, Georgetown County has collected information from SCDHEC on the location of impaired waters, as determined from results of the State's monitoring program, that could potentially be impacted by discharges from Georgetown County's SMS4. Table 2 provides a list of the impaired waterbodies on the 2018 303(d) list that Georgetown County's SMS4 contributes to, either directly or indirectly.

Table 2: 2018 303(d) List of Impaired Stations within Georgetown County's SMS4 Area

Major Receiving Waters	Station Description	Station	Pollutant of Concern	Priority Ranking
Pee Dee	MAIN CREEK 160 YARDS UPSTREAM FROM SHELLFISH SITE 04-27	RT-09113	ENTERO	3
Pee Dee	WACCAMAW RVR AT CHANNEL MARKER 57	MD-138	HG	3

3.2 TMDL Monitoring and Assessment

In compliance with Section 3.2.1 of the SMS4 general permit, TMDL monitoring and assessment plans will be developed for all TMDL waters receiving SMS4 discharges of pollutant(s) of concern, except where Section 3.1.1.2 of the SMS4 general permit is applicable. For TMDLs existing before the effective date of permit coverage, TMDL monitoring and assessment plans will be completed, submitted to SCDHEC, and appended to this SWMP within 12 months of the effective date of permit coverage. For newly established TMDLs, Georgetown County will complete a TMDL monitoring and assessment plan within 12 months of the effective date of the TMDL. As completed, TMDL monitoring and assessment plans will be submitted to SCDHEC and attached to this SWMP in Appendix C. Sampling will be initiated within 18 months of the effective date of permit coverage for TMDLs existing before the effective date of permit coverage. For newly established TMDLs, Georgetown County will initiate sampling within 18 months of the effective date of the TMDL.

Georgetown County, in partnership with Horry County and other stakeholders, completed a Murrell's Inlet TMDL Watershed Plan (TMDL Monitoring and Assessment

Plan) with assistance from SCDHEC Section 319 funding. This plan, included as Appendix C, meets the requirements of Section 3.3 of the general permit.

The AIWW-Waccamaw River is impaired for dissolved oxygen. Stormwater and nonpoint sources do not contribute to the DO depression and are thus not assigned a waste load allocation (WLA). According to the general permit, Georgetown County is thus not responsible for TMDL Monitoring and Assessment for the AIWW-Waccamaw River TMDL.

A list of TMDL watersheds within Georgetown County's regulated SMS4 area, and/or which Georgetown County's SMS4 area drains to, can be found in Table 3.

Table 3: List of Approved TMDLs

TMDL Watershed	Pollutant of Concern	Monitoring Stations	Effective TMDL Date
Murrell's Inlet Estuary	Fecal Coliform	04-16, 04-17A, 04-23, 04-25, 04-27, 04-28, 04-29, 04-30, 04-31, 04-02, 04-03A, 04-03B, 04-04A, 04-06, 04-07, 04-08	7/19/2005
AIWW-Waccamaw River	Dissolved Oxygen	No TMDL Monitoring Sites in Georgetown County	7/27/99

3.3 TMDL Implementation and Analysis

In compliance with Section 3.3.2 of the SMS4 general permit, TMDL implementation and analysis plans will be developed for all TMDL waters receiving SMS4 discharges of pollutant(s) of concern, except where Section 3.1.1.2 of the SMS4 general permit is applicable. TMDL implementation and analysis plans will be completed and submitted to SCDHEC within 48 months from the effective date of permit coverage, or, for TMDLs established after the effective date of permit coverage, within 48 months of the effective date of the TMDL.

3.4 Discharges to Impaired Waterbodies

For impaired waterbodies for which no TMDL has been assigned, protection will be provided through BMP applications conducted through implementation of the six minimum control measures in section 4.2.

3.5 Discharges to Classified Waters

For discharges to Classified Waters, protection will be provided through BMP applications conducted through implementation of the minimum control measures in Section 4.2. The BMP implementation will not cause or contribute to violations of water quality standards in water bodies with impaired monitoring stations. A list of Classified Waters in Georgetown County is provided in the Table 4 below.

Table 4: Classified Waters

Water Body	Classification	Description
Murrells Inlet	SFH	The entire inlet tributary to the Atlantic Ocean

3.6 Discharges to Source Water Protection Areas

For discharges to Source Water Protection Areas, protection will be provided through BMP applications conducted through implementation of the six minimum control measures in Section 4.2.

4.0 Stormwater Management Plan (SWMP)

Table 5: SWMP Requirements

SWMP REQUIREMENTS			
Develop and Implement SWMP	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.1.2		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Revise and update written SWMP document and submit the SWMP to SCDHEC Bureau of Water.	Deadline: July 1, 2014	Once	Georgetown County Stormwater Manager
Update Stormwater Management Ordinance	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.1.3		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Review and revise the Stormwater Management Ordinance, or adopt any new ordinances or other regulatory mechanisms that provide adequate legal authority to control pollutant discharges into and from the SMS4, and to meet the requirements of the SMS4 general permit.	Deadline: December 31, 2014	Once	Georgetown County Stormwater Manager
Enforcement Response Plan (ERP)	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.1.5		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop & Implement an enforcement response plan (ERP)	Deadline: December 31, 2014	Once	Georgetown County Stormwater Manager
Update Stormwater Management Plan	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.1.10		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Review and revise the SWMP document to keep it up to date during the term of the permit.	Throughout the Permit Term	Annually	Georgetown County Stormwater Manager

4.1.1 Requirements of the NPDES SMS4 General Permit

Georgetown County will implement this SWMP to reduce the discharge of pollutants from its SMS4 to the maximum extent practicable to protect water quality.

4.1.2 SWMP Development

The County developed a written SWMP document that was submitted to SCDHEC Bureau of Water before July 1, 2014. The County has continued to review this document annually and updated it as needed.

4.1.3 Contents of the SWMP

At a minimum, the County must include ordinances, or other regulatory mechanisms, providing the legal authority necessary to implement and enforce the requirements of the SMS4 general permit. See Appendix D for Georgetown County's Stormwater Management Ordinance. The County has reviewed its Stormwater Management Ordinance and verified that it provides adequate legal authority to control pollutant discharges into and from the SMS4 and meets the requirements of the SMS4 general permit.

4.1.4 Requirement to Develop Adequate Legal Authority

At a minimum the legal authority will address the following:

- Authority to Prohibit Illicit Discharges
- Determination of Allowable Non-Stormwater Discharges
- Authority to Prohibit Spills or Other Releases
- Authority to Require Compliance
- Authority to Require Installation, Implementation, and Maintenance of Control Measures
- Authority to Receive and Collect Information
- Authority to Inspect
- Response to Violations
- Monetary Penalties
- Civil/Criminal Penalties
- Interagency Agreements (if applicable)

A certification statement has been included in this SWMP that certifies Georgetown County has taken the necessary steps to obtain and maintain full legal authority to implement and enforce each of the requirements contained in the NPDES SMS4 general permit (see Page i).

4.1.5 Enforcement Measures and Tracking

The County has developed an enforcement response plan (ERP) that sets out Georgetown County's potential responses to violations and addresses repeat and continuing violations through progressively stricter responses as needed to achieve compliance.

4.1.5.2 Enforcement Tracking

The County tracks instances of non-compliance electronically.

4.1.5.3 Recidivism Reduction

The County summarizes inspection results by consuetudinary violators and includes incentives, disincentives, or an increased inspection frequency at the operator's sites.

4.1.6 Report Requirements

Georgetown County will at a minimum submit the following information in the report (See Section 5.3 for details):

- The status of implementing the components of the SWMP that are established as permit conditions;
- Proposed changes to the SWMP that are established as permit conditions;
- Revisions, if necessary, to the assessment of controls and the fiscal analysis, including a description of staff resources necessary to meet the requirements of the permit;
- A summary of data, including monitoring data, that is accumulated throughout the reporting year; and,
- A summary describing the number and nature of enforcement actions, inspections, and public education programs.

4.1.7 SWMP Minimum Control Measure Requirements

Georgetown County SWMP will include the following information for each of the six minimum control measures (MCMs) described in Section 4.2 of this SWMP in detail:

- Best management practices (BMP) that the County or another entity will implement for each of the MCM;
- Measurable goals for each of the BMP including, as appropriate, the months and years in which the County will undertake required actions, including interim milestones and the frequency of the action; and,
- Person, or persons, responsible for implementing or coordinating the BMP for the County's SWMP.

4.1.10 SWMP Modifications

SC DHEC Bureau of Water may notify Georgetown County of the need to modify the SWMP document to be consistent with the permit, in which case Georgetown County will have ninety (90) days to finalize such changes to the program.

Georgetown County will keep the SWMP document up to date during the term of the permit. Where Georgetown County determines that Ordinance modifications are needed to address any procedural, protocol, or programmatic change, such changes must be made as soon as practicable, but not later than 360 days.

4.2 Minimum Control Measures

In compliance with the SMS4 general permit requirements; this SWMP includes a description of the six minimum control measures (MCMs) and details on the development and implementation of the plan to address MCM requirements. The details on each minimum measure include the measurable goals for each proposed BMP, the responsible departments and staff to implement the BMP, and the implementation schedule for the BMP (i.e. start date, frequency of activities, etc.)

4.2.1 Public Education and Outreach (Minimum Measure #1)

4.2.1.1 Minimum Measure #1 Permit Requirements

In order to meet the requirements of Minimum Measure #1, Georgetown County has partnered with Clemson University/Carolina Clear and the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to focus on the development and implementation of educational programs designed to inform the public about the impacts that stormwater discharges could have on local waterbodies and the steps that the public can take to reduce pollutants in stormwater runoff. Georgetown County intends to work in cooperation with Clemson University/ Carolina Clear and the Coastal Waccamaw Stormwater Education Consortium in order to efficiently reach as many citizens as economically possible through public education and outreach efforts.

Table 6: Minimum Measure #1 Permit Requirements

4.2.1.1.1 The Pollutant(s) of Concern (POC) within Georgetown County's Watershed Area(s):
In Georgetown County's watershed area, the potential pollutant of concern (POC) has been determined to be bacteria. A description of the pollutant of concern for the County's watershed area is included below.
4.2.1.1.2 Description of the POC(s) Listed Above:
<ul style="list-style-type: none">• Bacteria: Bacteria typically contributes to stormwater pollution due to animal fecal matter in stormwater runoff, failing septic systems, or sanitary sewer leaks/spills and cross connections.
4.2.1.1.3 Programs Targeted at High Priority Community Issues with the Potential to Decrease the POC's Effect on Water Quality:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.
4.2.1.1.4 The Audience(s) that is Believed to have an Influence on the POC Identified and that is Believed to have an Influence on the Goals and Objectives Identified:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.
4.2.1.1.5 The Message(s) Directed at the Target Audience(s) Listed Above to Achieve the Program Goals and Objectives:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.

4.2.1.1.6 Education Campaign(s) and Materials:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.
4.2.1.1.7 Distribution of Campaign Materials:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.
4.2.1.1.8 Quantitative and/or Qualitative Formative Assessment of Programs:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.
4.2.1.1.9 Utilization of Public Input into the Development of This Program:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.
4.2.1.1.10 Implementation of Program Goals and Objectives:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.
4.2.1.1.11 Process for Annual Adjustment of Program Based Upon Program Assessment:
Georgetown County utilizes the Coastal Waccamaw Stormwater Education Consortium (CWSEC) to assist in meeting the requirements of Minimum Measure 1 and 2. The Contract can be found in Appendix H.

4.2.1.2 Minimum Measure #1 BMP Implementation

Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure.

To meet the requirements of Minimum Measure #1, Georgetown County will implement the following BMPs:

- Continue Agreement with Clemson University/Carolina Clear and to support the Coastal Waccamaw Stormwater Education Consortium to Implement a Public Education and Outreach Program. See Appendix G for Contract.

Table 7 describes the components of Georgetown County's Public Education and Outreach program.

Table 7: Best Management Practices - Minimum Measure #1

PUBLIC EDUCATION AND OUTREACH BMPS			
Agreement with Clemson University Cooperative Extension Service - Carolina Clear	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.1.1		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will continue their contract with the Coastal Waccamaw Stormwater Education Consortium to implement a public education/outreach program for the County's regulated area.	Throughout Permit Term	Annually	Georgetown County Stormwater Manager and Clemson University/Carolina Clear
Measurable Goal:			
<ul style="list-style-type: none"> A program that provides public education concerning water quality issues in SMS4 regulated area of Georgetown County. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County continues their contract with the Coastal Waccamaw Stormwater Education Consortium. 			
Support Coastal Waccamaw Stormwater Education Consortium (CWSEC)	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.1.1.3		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will support the Coastal Waccamaw Stormwater Education Consortium by: participating in meetings/workshops, promoting/advertising events, distributing water quality awareness campaign items, and providing other general assistance as resources allow.	Throughout Permit Term	Once	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Support Coastal Waccamaw Stormwater Education Consortium. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County continues to support the Coastal Waccamaw Stormwater Education Consortium. 			
Assess the Public Education and Outreach Plan	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.1.1.8		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Assess the Public Education program to determine any necessary changes to the programs goals or objectives.	Target Start Date: June 30, 2016	Annually	Georgetown County Stormwater Manager/CWSEC
Measurable Goal:			
<ul style="list-style-type: none"> Identify public education and outreach program deficiencies/limitations by comparing PEO program results to the measurable goals. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County continues their contract with the Coastal Waccamaw Stormwater Education Consortium. 			

Develop Annual Adjustments for the Public Education and Outreach Plan		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>	
		Section: 4.2.1.1.11	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Make adjustments to educational materials and the delivery of such materials to address any shortcomings found as a result of the assessments in Milestone 4.2.1.1.8.	Deadline: December 31, 2016	Annually	Georgetown County Stormwater Manager/CWSEC
Measurable Goal:			
<ul style="list-style-type: none"> Revise PEO plan to address any program deficiencies/limitations identified during the annual assessment. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County continues their contract with the Coastal Waccamaw Stormwater Education Consortium. 			

4.2.2 Public Involvement/Participation (Minimum Measure #2)

4.2.2.1 Minimum Measure #2 Permit Requirements

Georgetown County will partner with Clemson University/Carolina Clear and the Coastal Waccamaw Stormwater Education Consortium in order to efficiently reach as many citizens as economically possible through public involvement and participation efforts. Clemson University/Carolina Clear and the Coastal Waccamaw Stormwater Education Consortium will provide the citizens of Georgetown County opportunities to participate in activities and events relating to water quality preservation and water quality education.

Table 8: Minimum Measure #2 Permit Requirements

4.2.2.1.1	Create opportunities for citizens to participate in the implementation of stormwater controls:
	Opportunities for citizen participation in the implementation of stormwater controls in Georgetown County will be provided by Clemson University/Carolina Clear and the Coastal Waccamaw Stormwater Education Consortium.
4.2.2.1.2	Accessing information on this SWMP:
	Georgetown County will include the SWMP on the County's Stormwater Management webpage.
4.2.2.1.3	Incorporate written procedures for implementing the public involvement/participation (PIP) MCM in the SWMP:
	Georgetown County will continue to implement its written procedures (Contract) with Clemson University/Carolina Clear and support the Coastal Waccamaw Stormwater Education Consortium to Implement a Public Involvement and Participation Program.

4.2.2.2 BMP Implementation

The BMPs selected in this section describe how the citizens will be informed about the SWMP and lists activities for public participation. The measurable goals for each BMP for the Public

Participation and Involvement minimum measure will be used to evaluate the success of each BMP. The following sections describe the components of Georgetown County's Public Involvement/Participation program.

In order to meet the requirements of Minimum Measure #2, Georgetown County will:

- Sponsor/Support Citizen Participation Events,
- Provide Access to Information for the SWMP, and
- Incorporate Written Procedures for Implementing MCM#2.

Table 9 describes the components of Georgetown County's Public Involvement/Participation program.

Table 9: Best Management Practices - Minimum Measure #2

PUBLIC INVOLVEMENT/PARTICIPATION BMPS			
Sponsor/Support Citizen Participation Events	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.2.1.1		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Contract with Clemson University and support of the Coastal Waccamaw Stormwater Education Consortium to implement a public involvement/participation program for Georgetown County.	Throughout Permit Term Beginning in Year 1	Annually	Georgetown County Stormwater Manager and Clemson University/Carolina Clear
Measurable Goal:			
<ul style="list-style-type: none"> • Provide sponsorship/support for the CWSEC events. 			
<ul style="list-style-type: none"> • A program that will provide the citizens of Georgetown County opportunities to participate in activities and events relating to water quality preservation and water quality education. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> • Georgetown County continues their contract with the Coastal Waccamaw Stormwater Education Consortium. 			
Provide Access to Information for the SWMP	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.2.1.2		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Ensure the public can easily find information about the SWMP.	December 31, 2014	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> • Georgetown County will include the SWMP on the County's webpage. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> • Georgetown County has posted their SWMP to the Georgetown County Stormwater webpage. 			

Written Procedures for Implementing MCM#2		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>	
		Section: 4.2.2.1.3	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop written procedures for implementing the public involvement program.	Throughout Permit Term	Annually	Georgetown County Stormwater Manager and Clemson University/Carolina Clear
Measurable Goal:			
<ul style="list-style-type: none"> Signed Contract with Clemson University/Carolina Clear. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County continues their contract with the Coastal Waccamaw Stormwater Education Consortium to implement the public involvement program. 			

4.2.3 Illicit Discharge Detection and Elimination (Minimum Measure #3)

4.2.3.1 Minimum Measure #3 Permit Requirements

Georgetown County will locate and eliminate illicit discharges by developing BMPs in accordance with the SMS4 general permit requirements. Priority areas will be established based on the higher likelihood of illicit connections, and outfalls located within the priority areas will be visited to check for dry weather flow. Outfalls with dry weather flow will be screened to identify potential illicit discharges. Prior to illicit tracking activities, the County will develop illicit tracking procedures. After illicit tracking procedures have been established, illicit discharges will be tracked to a source and eliminated when possible. Illicit tracking activities will be documented for review.

Table 10: Minimum Measure #3 Permit Requirements

4.2.3.2.1 Development of the storm sewer system map:	
	In previous years, Georgetown County has developed a storm sewer system map showing the location of known outfalls, and names and locations of all waters of the United States that receive discharges from those outfalls. In addition, the County has performed full system inventory in high priority areas of the County. The storm sewer map will be updated as needed to show new outfalls due to new developments.
4.2.3.2.2 Identification of priority areas.	
	Georgetown County will identify priority areas for more detailed screening of the SMS4 based on higher likelihood of illicit connections.
	The County will document the basis for its selection of each priority area and create a list of all priority areas identified in the system no later than 12 months after the effective date of permit coverage. The priority area list will be updated annually to reflect changing priorities and be available for review by the permitting authority.

4.2.3.2.3.a Field screening procedures and implementation:

Georgetown County will conduct dry weather field screening and / or analytical monitoring, when necessary, to identify the source of illicit discharges. At a minimum, Georgetown County will identify all field screening points within the priority areas where field screening and analytical monitoring will take place. A list of screening points will be developed. The County will also conduct field screening and analytical monitoring outside the priority areas at known non-stormwater discharges. The areas and the schedule for conducting the screening, and field screening points will be identified annually.

Georgetown County will develop dry weather screening procedures which:

- Provide a description of which screening methods will be used and a description as to why it is appropriate.
- Provides a description of field screening equipment with respective methodologies for use.

All dry weather screening activities will be conducted after 72-hours of continuous dry conditions following at least 0.10 inch of rainfall.

The elimination of all illicit discharges will be documented. Documentation procedures will be developed as described in section 4.2.3.2.5/6

4.2.3.2.3.b Field screening assessment:

Georgetown County will assess the effectiveness of the Field Screening component of their IDDE program in the third permit year to determine if the level of effort is adequate in attaining the effective prohibition of non-stormwater discharges into the MS4. Where updates are found to be necessary, Georgetown County will make such changes and include them as part of the re-notification required under Part 2.5 of the SMS4 general permit.

4.2.3.2.3.c Procedures for notifying another MS4 of an illicit discharge:

For non-traditional MS4 permittees, if illicit connections or illicit discharges are observed related to another operator's municipal storm sewer system then Georgetown County will notify the other operator as soon as practical but no later than three (3) business day.

4.2.3.2.3.d Addressing a notification of an illicit discharge by another operator:

Georgetown County will follow appropriate procedures when notified of an illicit discharge by another MS4 operator.

THIS SECTION INTENTIONALLY LEFT BLANK

4.2.3.2.4/5 Tracing the source of an illicit discharge:

Georgetown County will develop procedures for conducting illicit tracking and elimination procedures.

After becoming aware of an illicit discharge, Georgetown County will initiate an investigation(s) to attempt to identify and locate the source of any continuous or intermittent non-stormwater discharge on as soon as practical.

Georgetown County will report immediately the occurrence of any dry weather flow believed to be an immediate threat to human health of the environment to SC DHEC Emergency Response, 1-888-481-0125.

Illicit Discharges suspected of being sanitary sewage and/or significantly contaminated will be considered a high priority and will be reported to appropriate public utility owner as soon as practical.

Investigations of illicit discharges suspected of being cooling water, wash water, or natural flows may be delayed until after all discharges suspected of having the potential for adversely impact either human health or water quality have been investigated, eliminated, and/or resolved.

At a minimum, Georgetown County will document the date(s) the illicit discharge was observed; the results of the investigation; any follow-up of the investigation; and the date the investigation was closed.

4.2.3.2.6 Determining the source of the illicit discharge:

Georgetown County will determine and document through their investigations the source of all confirmed illicit discharges. If the source of the suspected illicit discharge is found to be a suspected non-compliance with an NPDES permit, the appropriate SCDHEC Regional Office will be notified.

- a. If an illicit discharge is found, but within six (6) months of the beginning of the investigation neither the source nor the same non-stormwater discharge has been identified/observed, then Georgetown County will maintain written documentation for review by the permitting authority.*
- b. If the observed discharge is intermittent, Georgetown County will document that a minimum of three (3) separate investigations were made to observe the discharge when it was flowing. If these attempts are unsuccessful, Georgetown County will maintain written documentation for review by the permitting authority. However, since this is an ongoing program, Georgetown County will periodically recheck these suspected intermittent discharges.*

4.2.3.2.7 Corrective Action plan to eliminate illicit discharges:

Once the source of the illicit discharge has been determined, Georgetown County will:

- a. Notify the responsible party of the problem as soon as practical.*
- b. Require the responsible party to conduct all necessary corrective actions to eliminate the non-stormwater discharge within 30 days. When, and if, elimination will take longer than 30 days, Georgetown County will require responsible parties to submit a plan with a schedule for elimination.*
- c. Conduct a follow-up investigation and field screening, consistent with Part 4.2.3.4/5 of this SWMP, to verify that the discharge has been eliminated.*
- d. Document their follow-up investigations.*
- e. Follow the SWMP ERP and include the resulting enforcement actions in the subsequent report.*

4.2.3.2.8 Public reporting mechanism:

Georgetown County will establish an illicit reporting hotline for the public and staff to report illicit discharges. The hotline number is (843) 545-3524.

The County will establish and implement citizen request response procedures in the illicit tracking procedures document created for section 4.2.3.2.4/5. The citizen response procedures in the illicit tracking procedures document will:

- a. Develop a written spill/dumping response procedure for responding to public notices of illicit discharges, the various responsible agencies and their contacts, and who would be involved in illicit discharge incidence response.*
- b. Include procedures for inspections in response to complaints and follow-up inspections as needed to ensure that corrective measures have been implemented by the responsible party to achieve and maintain compliance.*

4.2.3.2.9 Employee training:

Georgetown County will implement a training program for all appropriate municipal staff, which, as part of their normal job responsibilities, may come into contact with, or otherwise observe, an illicit discharge or illicit connection to the storm sewer system. This BMP will be implemented through training for Pollution Prevention in Section 4.2.6.5.

4.2.3.2 Minimum Measure #3 BMP Implementation

In order to meet the requirements of Minimum Measure #3, Georgetown County has listed BMPs that focus on the detection and elimination of illicit discharges into the SMS4. In order to provide a summative document for the various IDDE permit requirements, Georgetown County will develop a document which includes the following sections: map of priority areas, list of screening points in the priority area, dry weather screening procedures, illicit tracking procedures, illicit elimination procedures, and IDDE documentation procedures. Evaluation of

December 2021

Georgetown County
NPDES SMS4 General Permit SWMP

the success of this minimum measure will be based on the level of implementation of the BMPs included in this minimum measure. The following sections describe the components of the County's Illicit Discharge Detection and Elimination (IDDE) program. Georgetown County will review and update their IDDE manual to incorporate requirements of the new SMS4 general permit (i.e. response timeframes, etc.).

In order to meet the requirements of Minimum Measure #3, Georgetown County will:

- Update the Storm Sewer Map,
- Identify Priority Areas for Illicit Discharges,
- Identify Screening Points,
- Develop Dry-Weather Screening Procedures
- Conduct Field Screening (Dry Weather Screening),
- Develop Illicit Tracking Procedures,
- Conduct Illicit Tracking,
- Eliminate Illicit Discharges,
- Document Illicit Discharge Investigations,
- Assess Field Screening Procedures,
- Develop a Public Reporting Hotline, and
- Provide Employee Training on Illicit Discharge Identification.

The following table describes the components of Georgetown County's Illicit Discharge Detection and Elimination (IDDE) program.

Table 11: Best Management Practices - Minimum Measure #3

IDDE BMPs			
Update Storm Sewer Map	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.3.2.1		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Update the storm sewer map showing the location of all outfalls and names and locations of all waters of the United States that receive discharge from those outfalls.	Throughout Permit Term	As Needed	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> • Update storm sewer map as needed to show new outfalls. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> • Georgetown County has developed a storm sewer map that shows outfalls within the County's SMS4 area. 			

Identify Priority Areas	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.3.2.2		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Identify illicit priority areas based on an identification of areas with a higher likelihood of illicit connections. The priority areas will be updated annually.	December 31, 2014	Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Establish priority areas to set the boundaries for SMS4 Dry-Weather Screening for the given permit year. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County completed an IDDE Priority Analysis Report to identify priority areas. 			
Identify Screening Points	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.3.2.3a		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Identify all field screening points within the priority area. Include a schedule for conducting the screening.	Deadline: March 31, 2015	Updated Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> A list of all field screening points to be included in the summative Field Screening Document. 			
<ul style="list-style-type: none"> A schedule for conducting the field screening to be included in the summative Field Screening Document. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County completed a <i>Standard Operating Procedures for Use in Field Investigations for Illicit Discharges</i> document. 			
Develop Dry-Weather Screening Procedures	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.3.2.3a		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop dry-weather screening procedures for identifying potential illicit discharges.	Deadline: December 31, 2014	Once During Permit Term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> A set of procedures for dry-weather screening activities. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County completed a <i>Standard Operating Procedures for Use in Field Investigations for Illicit Discharges</i> document. 			

Conduct Field Screening	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.3.2.3a		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Conduct dry weather flow screening at outfalls in the priority area and at known dry weather discharges.	Deadline: December 31, 2015	Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Locate potential illicit discharges in the priority area. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County conducts dry weather flow screening at outfalls in the priority area. This is an ongoing effort by the County. 			
Develop Illicit Tracking Procedures	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.3.2.4/5/8		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will develop procedures for tracking illicit discharges. The illicit tracking procedures will include minimum investigation requirements in section 4.2.3.2.5. In addition, the illicit tracking procedures will include requirements for responding to public notices. (section 4.2.3.2.8.a/b)	Deadline: December 31, 2014	Once During Permit Term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> A set of procedures for illicit tracking activities. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County completed a <i>Standard Operating Procedures for Use in Field Investigations for Illicit Discharges</i> document. 			
Conduct Illicit Tracking/Determine Source of Illicit Discharge	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.3.2.4/5		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will conduct illicit tracking at outfalls identified as potential illicit discharges by the field screening effort.	Confirmed illicit discharges will be tracked within a timeframe listed in Table 10 Section 4.2.3.2.4/5	As Needed	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Determine potential source(s) of illicit discharges identified during field screening. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County follows their <i>Standard Operating Procedures for Use in Field Investigations for Illicit Discharges</i> document. 			

Eliminate Illicit Discharges		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>	
		Section: 4.2.3.2.7	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Once the source of an illicit discharge has been determined, the County will follow procedures (a-e) of section 4.2.3.2.7 of the permit to eliminate the illicit discharge.	Confirmed illicit discharges will be eliminated within the timeframe listed in Table 10 Section 4.2.3.2.7.b	As Needed	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Documentation of eliminated illicit discharges. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County follows the procedures in Section 4.2.3.2.7 of the permit to eliminate these discharges. This is an ongoing effort by the County. 			
Document Illicit Discharge Investigations		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>	
		Section: 4.2.3.2.5/6	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will document illicit discharge tracking and elimination activities to include the following information: <ul style="list-style-type: none"> Date(s) the illicit discharge was observed Results of the illicit investigation Results of any follow-up investigations Date the investigation was closed Source of illicit discharge Documentation for unresolved illicit tracking investigations in which no source is located (as required by section 4.2.3.2.6.a of the permit) Documentation for intermittent illicit discharges (as required by section 4.2.3.2.6.b of the permit) 	Documentation will begin as soon as practical but no later than three (3) business day	As Needed	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Document illicit tracking and elimination activities. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County maintains an electronic database of illicit discharge tracking and elimination activities. 			
THIS SECTION INTENTIONALLY LEFT BLANK			

Field Screening Assessment		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>	
		Section: 4.2.3.2.3b	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Assess the effectiveness of the Field Screening component of the IDDE program and adjust program if updates are found to be necessary.	Deadline: December 31, 2018	Once During Permit Term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Field screening effectiveness in the third annual report. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County has assessed the effectiveness of their field screening program and determined it is effective in eliminating illicit discharges. The County is working to strengthen their dry weather screening program. 			
Develop a Public Reporting Hotline		Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>	
		Section: 4.2.3.2.8	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will develop a Public Reporting Hotline to report illicit discharges.	Deadline: December 31, 2016	Once During Permit Term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Create "hotline" to report illicit discharges. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County has an IDDE hotline, an online complaint form that is submitted electronically, and a form that can be filled out and mailed or faxed in. 			
Provide Employee Training		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>	
		Section: 4.2.3.9	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will implement a training program for all appropriate municipal field staff.	Start-up deadline: January 1, 2015	Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Provide IDDE training to appropriate field staff. This BMP will be implemented through training for Pollution Prevention in Section 4.2.6.5. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County conducts this training annually. 			

4.2.4 Construction Site Stormwater Runoff Control (Minimum Measure #4)

4.2.4.1 Minimum Measure #4 Permit Requirements

Georgetown County will revise the construction program by developing and implementing BMPs in order to meet the SMS4 general permit requirements. The County will update appropriate design requirements, the BMP Design Manual, Stormwater Ordinance and revise the corresponding SWP3 plan review procedures. Site inspection procedures will be updated to conform to the SMS4 general permit requirements, and an enforcement response plan (ERP) will be developed to determine how the County will use specific type of responses to address various types of violations. In addition, the County will develop educational packets for construction operators to educate them about areas in which improvements are needed.

Table 12: Minimum Measure #4 Permit Requirements

4.2.4.4.1 Regulatory requirement for erosion and sediment controls:
<p>Below is a copy of the relevant sections of the existing ordinance which requires erosion and sediment controls as well as sanctions to ensure compliance.</p> <p>Ordinance section requiring erosion and sediment controls can be found in Georgetown County Ordinance Section 3.4 Design and Engineering Standards</p> <p>Ordinance section for sanctions to ensure compliance can be found in Georgetown County Ordinance Section 6.1 Enforcement.</p> <p>A copy of Georgetown County's Ordinance can be found in Appendix D.</p>
4.2.4.4.2 Requirements for erosion and sediment controls and soil stabilization practices:
<p>Georgetown County will provide requirements for construction site operators to implement appropriate BMP such as,</p> <ul style="list-style-type: none">a. <i>Erosion and Sediment Controls, and</i>b. <i>Soil Stabilization Practices.</i>
<p style="text-align: center;">THIS SECTION INTENTIONALLY LEFT BLANK</p>

4.2.4.4.3 Requirements for pollution prevention measures:

Georgetown County will provide requirements for the design, installation and maintenance of effective pollution prevention measures for construction site operators to:

- a. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
- b. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on site to precipitation and to stormwater runoff that may cause adverse impacts to water quality, and,
- c. Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.
- d. The following discharges from sites are prohibited:
 - i. Wastewater from washout of concrete, unless managed by an appropriate control;
 - ii. Wastewater from washout and cleanout of stucco, paint, from release oils, curing compounds and other construction materials
 - iii. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; and,
 - iv. Soaps or solvents used in vehicle and equipment washing.

4.2.4.4.4 Requirements for Stormwater Pollution Prevention Plans (SWP3):

Georgetown County will require each operator of a construction activity to prepare and submit a Stormwater Pollution Prevention Plan (SWP3) prior to the disturbance of land for the SMS4 to review and approve. Requirements for the SWP3 are included in Georgetown County's Plan Review Checklist.

THIS SECTION INTENTIONALLY LEFT BLANK

4.2.4.5 Review of SWP3:

Georgetown County's plan review procedures will at a minimum meet the following:

- a. Make clear to operators of construction activity that they are prohibited from commencing construction activity until they receive written approval of the plans.
- b. Approve SWP3 that complies with the technical requirements of Georgetown County's plan review checklist which effectively meets the requirements of NPDES General Permit for Storm Water Discharges from Construction Activities, SCR100000.
- c. The SWP3 must include the rationale used for selecting control measures, including how the control measure protects a waterway or stormwater conveyance.
- d. Georgetown County will use qualified individuals, knowledgeable in the technical review of SWP3 to conduct reviews.
- e. Document the review of each SWP3 plan using a checklist or similar process.
- f. Procedures for SWP3 review, including the review of pre-construction site plans, for construction activity that discharge pollutant(s) of concern to TMDL waters and to waters on the 303(d) List of Impaired Waters, the SWP3 must identify potential water quality impacts the permitted discharges may have. The SWP3 shall limit sediment discharges to the MEP, shall protect water quality. Procedures for SWP3 review shall:
 - i. Incorporate consideration of potential water quality impacts,
 - ii. Include the review of construction site plans,
 - iii. For construction projects that disturb less than 25 acres, carefully evaluate all selected BMPs and their ability to control the pollutant(s) of concern.
 - iv. For construction projects that disturb 25 acres or more, require a written quantitative and qualitative assessment showing that the selected BMP will control the discharge of the pollutant, or pollutants, of concern from construction and post construction within a TMDL watershed, or to a water on the 303(d) List of Impaired Waters, and,
 - v. Require that SWP3 prepared by construction activity applicants for SMS4 review and approval must demonstrate that stormwater discharges will neither cause nor contribute to a violation of water quality standards.

4.2.4.6 Site inspections:

Georgetown County will maintain an inventory of all active construction projects. The inventory will be continuously updated as new projects are permitted and projects are completed. The inventory will contain relevant contact information for each project (e.g., name, address, phone, etc.), the size of the project and area of disturbance. Georgetown County will make the inventory available to SC DHEC upon request. As part of this inventory,

- a. Georgetown County will track the number of inspections for the inventoried construction sites throughout the reporting period to verify that the sites are inspected at the minimum frequencies required, and,
- b. Document inspections and enforcement activities for each site in the inventory.

Georgetown County will implement procedures for inspecting construction projects in accordance with the frequency listed in the SMS4 General Permit.

Georgetown County will adequately inspect all phases of construction. At a minimum, inspections must occur following installation of initial BMPs, during active construction, and to confirm final site stabilization.

Georgetown County will have trained and qualified inspectors. Georgetown County will also continue to follow, and revise as necessary, written procedures outlining the inspection and enforcement procedures.

Inspections of construction sites must, at a minimum:

- a. Check for coverage under SCR100000 by requesting a copy of any application or Notice of Intent (NOI), the stamped approved stormwater pollution prevention plan or other relevant application form during initial inspections.
- b. Review the applicable stormwater pollution prevention plan and conduct a thorough site inspection to determine if control measures have been selected, installed, implemented, and maintained according to the plan.
- c. Assess compliance with Georgetown County's ordinances and permits related to stormwater runoff, including the implementation and maintenance of designated minimum control measures.
- d. Assess the effectiveness of control measures.
- e. Visually observe and record non-stormwater discharges, potential illicit connections, and potential discharge of pollutants in stormwater runoff.
- f. Provide a written or electronic inspection report generated from findings in the field.

4.2.4.7 Enforcement Response Plan (ERP):	<p>Georgetown County will develop an Enforcement Response Plan (ERP). The ERP will contain descriptions of how Georgetown County will use specific type of responses to address various types of violations. The ERP will include, but is not limited to:</p> <ul style="list-style-type: none"> a. Types of response; <ul style="list-style-type: none"> i. Verbal warnings, ii. Written notices, and iii. Escalated enforcement measures such as citations, fines, stop work orders, etc. b. Specific strategies for escalating enforcement response, where necessary, to address persistent, repeat or escalating violations. c. Ensure ERP is reasonably effective in reducing pollutant discharges to the MEP and to protect water quality.
4.2.4.8 SMS4 staff training:	<p>Georgetown County will ensure that all staff, whose primary job duties are related to implementing the construction stormwater program, including permitting, plan review, construction site inspections, and enforcement, is trained to conduct these activities.</p>
4.2.4.9 Construction site operator and public involvement:	
4.2.4.9.a Construction operator education:	<p>Georgetown County will continue to require pre-construction meetings with contractors prior to permit issuance in order to address erosion prevention and sediment control issues in which improvements are needed and to enforce any required actions.</p>
4.2.4.9.b Public involvement:	<p>Georgetown County will consider public responses for program modifications during public education and outreach programs.</p>

4.2.4.2 Minimum Measure #4 BMP Implementation

In order to meet the requirements of Minimum Measure #4, Georgetown County has listed BMPs that focus on the reduction of pollutants in stormwater runoff to the SMS4 from construction activities that result from a land disturbance greater than or equal to one acre, or located within 0.5 mile of a receiving waterbody and disturbing 0.5 acre or more. Georgetown County will continue implementing existing BMPs that provide assistance and ensure compliance through routine inspections. Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable

goals for the various BMP implementation steps or tasks. In order to meet the requirements of Minimum Measure #4, Georgetown County will:

- Update Stormwater Management Design Manual
- Revise SWP3 submittal and review requirements,
- Develop SWP3 review procedures for discharges to impaired waters,
- Modify and maintain a Construction Site and Site Inspection Inventory,
- Develop/modify site inspection procedures,
- Develop section of ERP for Construction Activities, and
- Develop construction operator training/education.
- Update the County's Stormwater BMP Manual
- Update the County's Stormwater Management Ordinance

The following table describes the components of the Georgetown County's construction site stormwater runoff control program:

Table 13: Best Management Practices - Minimum Measure #4

CONSTRUCTION SITE STORMWATER RUNOFF CONTROL BMPs			
Update Stormwater Management Design Manual	Not Started <input type="checkbox"/> In Progress <input checked="" type="checkbox"/> Completed <input type="checkbox"/>		
	Section: 4.2.4.4.2 and 4.2.4.4.3		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Update the Stormwater Management Design Manual to include requirements for Erosion and Sediment Controls and Soil Stabilization Practices.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Update the Stormwater Management Design Manual to include requirements for Pollution Prevention Measures listed in Section 4.2.4.4.3 of Table 12.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> • Provide a tool to assist construction site operators to implement appropriate Erosion Prevention and Sediment Control (EPSC) BMPs and Pollution Prevention BMPs. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> • Georgetown County is currently updating the Stormwater Management Design Manual. 			
THIS SECTION INTENTIONALLY LEFT BLANK			

Revise SWP3 Submittal & Review Requirements		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>	
		Section: 4.2.4.5	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Update the Stormwater Plan Review Checklist for Design Professionals to ensure SWP3 submittals include a rationale used for selecting control measures, including how the control measure protects a waterway or stormwater conveyance.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Update the Stormwater Plan Review Checklist for Design Professionals to include a statement to operators of construction activity that they are prohibited from commencing construction activity until they receive written approval of the plans.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Update plan review procedures (internal checklist) to address new requirements listed above.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Update SWP3 submittal requirement documents and corresponding plan review procedures to include items listed above. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown is in the process of updating their Design Manual and the SWP3 requirements are included in this update. 			
Develop SWP3 Review Procedures for Discharges to Impaired Waters		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>	
		Section: 4.2.4.5	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will develop procedures outlined in section 4.2.4.5.f for SWP3 review for construction activity that discharge pollutant(s) of concern to TMDL waters and to waters on the 303(d) List of Impaired Waters.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Develop plan review procedures for construction discharges to impaired waters. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown is in the process of updating their Design Manual and construction discharges to impaired waterbodies are included in this update. 			
THIS SECTION INTENTIONALLY LEFT BLANK			

Maintain Construction Site and Site Inspection Inventory	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
Section: 4.2.4.6(a)			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will maintain an inventory of all active construction projects to include information for: <ul style="list-style-type: none"> • Relevant contact information • The size of the project • Area of disturbance • Number of inspections by Georgetown County for each construction site • Inspection results and enforcement activities 	December 31, 2015	As Needed	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> • A database (using ENERGOV software) for construction sites to provide general site information and ensure appropriate site inspections are conducted by the construction operator. The database will be available for review upon request. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> • Georgetown County maintains an electronic database for active construction sites. This is an ongoing effort by the County. 			
Develop/Modify Site Inspection Procedures	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
Section: 4.2.4.6(b-d)			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will modify site inspection procedures to be in compliance with permit section 4.2.4.6(b-d).	December 31, 2015	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> • Develop/Edit site inspection procedures that includes the items listed in section 4.2.4.6(b-d). 			
Measurable Goal Update:			
<ul style="list-style-type: none"> • Georgetown County developed their <i>Construction Compliance Inspections Policy and Procedures Manual</i> to ensure compliance with permit section 4.2.4.6(b-d). 			
ERP for Construction Activities	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
Section: 4.2.4.7			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop enforcement responses for permit violations, SWP3 violations, and EPSC BMP installation, operation, and maintenance violations.	Deadline: December 31, 2014	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> • Develop an enforcement response plan to clearly identify types of violations, response to violations, and enforcement measures. The response plan will be made available to construction site operators and SCDHEC. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> • Georgetown County developed an ERP for construction activities. 			

MS4 Staff Training	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.4.8		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Require construction inspectors and plan reviewers to complete appropriate training.	December 31, 2014	As Needed	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Providing adequate training for staff whose primary job duties are related to implementing the construction stormwater program 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County requires construction inspectors and plan reviewers to complete appropriate training as an ongoing effort. 			
Develop Construction Site Operator Education	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.4.9a		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will develop and implement an effective communication process with construction contractors to educate them on areas in which improvements are needed and to enforce any required actions.	December 31, 2014	Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Continue effective communication with construction contractors. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County effectively communicates with construction contractors as an ongoing effort. 			
Construction Operator Training/Education	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.4.9b		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Georgetown County will implement procedures for receipt and consideration of information submitted by the public.	December 31, 2014	Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Implement procedures for receipt and consideration of information submitted by the public. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County implements an SOP for receipt and consideration of information submitted by the public. 			

4.2.5 Post-Construction Stormwater Management for New Development and Redevelopment (Minimum Measure #5)

4.2.5.1 Minimum Measure #5 Permit Requirements

The post construction stormwater management program is designed to give Georgetown County the authority to require structural and non-structural stormwater quality BMPs on sites being developed. Georgetown County currently provides design requirements to control

stormwater discharges from new development and redeveloped sites and has established performance standards for addressing the first inch of runoff. Georgetown County will improve the post construction program by developing additional or revising existing site performance standards and ensuring post construction BMPs are inspected and maintained appropriately.

Table 14: Minimum Measure #5 Permit Requirements

4.2.5.1.	Post-construction stormwater management program:
	<p>Georgetown County will provide water quality design requirements to control stormwater discharges from new development and redeveloped sites that disturb at least one acre (including projects that disturb less than one acre that are part of a larger common plan of development or sale, LCP) that discharge into an SMS4. The requirements will be updated in their ordinance and also in their Stormwater Management Design Manual.</p>
4.2.5.2	Site performance standards:
	<p>In accordance with Section 4.2.5.2 of the SMS4 general permit, Georgetown County will produce a set of site performance standards which will be applied to all new development and redevelopment sites discharging to Georgetown County's SMS4, which disturb greater than or equal to one acre. These standards will ensure that projects approximate pre-development conditions to the MEP to protect water quality. The appropriate documents will be updated to include any newly established performance standards.</p>
4.2.5.3	Site plan review:
	<p>To ensure that all applicable new development and redeveloped sites conform to the performance standards required in Section 4.2.5.2, Georgetown County will continue project review, approval, and enforcement procedures.</p> <p>Georgetown County will conduct site plan reviews of all new development and redeveloped sites which will disturb greater than or equal to one acre and discharge to the SMS4 (including sites that disturb less than one acre that are part of a LCP). The site plan review will specifically address how the project applicant meets the performance standards and how the project will ensure long-term maintenance of post construction BMP.</p>
4.2.5.4	Long-term maintenance of post-construction stormwater control measures:
	<p>All structural stormwater control measures installed and implemented to meet the site performance standards will be maintained in perpetuity. Georgetown County will ensure the long-term maintenance of structural stormwater control measures installed.</p> <p>Georgetown County will require that property owners or operators of any new development or redeveloped site subject to the site performance standards will provide verification of maintenance for the approved structural stormwater control measures used to comply with the performance standards.</p>

4.2.5.5	Inventory of post-construction stormwater control measures:
	Georgetown County will maintain an inventory of all post-construction structural stormwater control measures installed and implemented at new development and redeveloped sites, including both public and private sector sites located within the permit area. At a minimum, the inventory shall contain all BMP constructed since the effective date starting with the effective date of this permit.
4.2.5.6	Inspections and enforcement:
4.2.5.6.1	Inspection procedures:
	To ensure that all stormwater control measures are operating correctly and are being maintained as required consistent with its applicable maintenance agreement, Georgetown County will conduct inspections of each project site covered under the performance standards listed in the Stormwater Management Design Manual, at least one time during the permit term.
4.2.5.6.2	Post-construction notification:
	Within 30 days of completion of construction of any project required to meet the performance standards, Georgetown County will conduct a post construction inspection to verify that BMP have been installed as per approved plans. Georgetown County will use the existing NOT form as the means for construction operators to notify the County of construction completion.
4.2.5.6.3	Inspection reports:
	Georgetown County will document its inspection findings in an inspection report. Georgetown County will document and maintain records of inspection findings and enforcement actions and make them available for review by the permitting authority.

4.2.5.2 Minimum Measure #5 BMP Implementation

Evaluation of the success of this minimum measure will be through careful analysis of the measurable goals for each BMP included in this minimum measure. Measurable goals for each BMP were selected by formulating attainable goals for the various BMP implementation steps or tasks. In order to meet the requirements of Minimum Measure #5, Georgetown County will:

- Develop Water Quality Design Requirements,
- Develop site performance standards,
- Develop long-term maintenance requirements for post-construction BMPs,
- Create a post-construction BMP inventory, and
- Develop a post-construction BMP inspection program.

The following table describes the components of Georgetown County's Post-Construction stormwater management program:

Table 15: Best Management Practices - Minimum Measure #5

POST-CONSTRUCTION STORMWATER MANAGEMENT BMPs			
Develop Water Quality Design Requirements	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
Section: 4.2.5.1			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop water quality design requirements to be implemented in the Stormwater Management Design Manual to control stormwater discharges from new development and redeveloped sites that disturb at least one acre and are within ½ mile of a receiving waterbody and disturb 0.5 acre or more.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Provide design community with design guidance for Post Construction BMPs in Ordinance and Stormwater Management Design Manual. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County is currently updating their Stormwater Design Manual, which will include guidance for Water Quality Design Standards. 			
Develop Site Performance Standards	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
Section: 4.2.5.2			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Edit the Post Construction section of the Stormwater Management Design Manual to include Post Construction Site Performance Standards, including the "first inch" standard.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Provide design community with performance and design standards for Post Construction BMPs 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County is currently updating their Stormwater Design Manual, which will include guidance for Post Construction Site Performance Standards. 			
Revise Plan Review Checklist & Design Manual for Post Construction SWP3 Submittal Requirements	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
Section: 4.2.5.3			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Update the Stormwater Management Design Manual and Plan Review Checklist to include SWP3 submittal requirements for Post Construction Site Performance Standards.	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager

Measurable Goal:			
<ul style="list-style-type: none"> Update review procedures to address any updated site performance standards. Develop SWP3 requirements for Post Construction Site Performance Standards. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County is currently updating their Stormwater Design Manual. 			
Develop Long Term Maintenance Requirements for Post Construction BMPs		Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>	
		Section: 4.2.5.4	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop a long term maintenance agreement form for post construction BMPs to be signed by the property owner. Develop maintenance verification process to ensure post construction BMPs are properly maintained.	December 31, 2015	Update As Needed	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Develop a post construction BMP maintenance agreement form and a post construction BMP maintenance verification process. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County's Stormwater Ordinance includes provisions for long term maintenance of post construction BMPs. Georgetown County has developed a long term maintenance agreement. 			
Create Post Construction BMP Inventory		Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>	
		Section: 4.2.5.5	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop an inventory of post construction BMPs installed and implemented at new development and re-development sites within the permit area after the effective date of permit SCR030000 (January 1, 2014) and keep it updated.	December 31, 2014	Once during permit term	Georgetown County Stormwater Manager
Update County permitted Post-Construction BMP Inventory.	Throughout Permit Term Beginning in Year 2	Ongoing	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Provide an inventory of County permitted Post-Construction BMPs. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County maintains an electronic inventory of County permitted BMPs. This is an ongoing effort by the County that is updated as new BMPs are permitted. 			

Post-Construction BMP Inspections Program	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.5.6		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop procedures and forms for post-construction BMP installation inspections.	December 31, 2014	Once during permit term	Georgetown County Stormwater Manager
Conduct post-construction BMP inspections on County permitted post-construction BMPs within 30 days of construction completion to ensure BMP is installed per approved plans.	Throughout Permit Term Beginning in Year 2	Annually	Georgetown County Stormwater Manager
Develop procedures and forms for post-construction BMP maintenance inspections.	December 31, 2014	Once during permit term	Georgetown County Stormwater Manager
Conduct post-construction BMP inspections on County permitted post-construction BMPs to ensure BMPs are maintained properly after the County is notified through a Notice of Termination (NOT).	Throughout Permit Term Beginning in Year 2	Once during permit term	Georgetown County Stormwater Manager
Document and maintain records of inspection findings and enforcement actions and make them available for review by the permitting authority.	Throughout Permit Term Beginning in Year 2	Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Develop procedures and forms for Post-Construction BMP installation inspections and include procedures in this document. 			
<ul style="list-style-type: none"> Inspect all County permitted post-construction BMPs within 30 days of construction completion. 			
<ul style="list-style-type: none"> Develop procedures and forms for Post-Construction BMP maintenance inspections and include procedures in this document. 			
<ul style="list-style-type: none"> Inspect appropriate construction sites to ensure County permitted post-construction BMPs are maintained and operating correctly. 			
<ul style="list-style-type: none"> Provide documentation of Post-Construction BMP inspections. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County has developed procedures and forms for Post Construction BMP installation and maintenance inspections. 			
<ul style="list-style-type: none"> Georgetown County inspects all post construction BMPs within 30 days after construction. 			
<ul style="list-style-type: none"> Georgetown County performs maintenance inspections on Post Construction BMPs annually. 			
<ul style="list-style-type: none"> Georgetown County maintains electronic records of inspections and enforcement actions. 			

4.2.6 Pollution Prevention / Good Housekeeping (Minimum Measure #6)

4.2.6.1 Minimum Measure #6 Permit Requirements

In order to meet the requirements of Minimum Measure #6, Georgetown County will implement a range of BMPs targeted to reduce pollutants from County-Owned facilities and storm sewer systems. A Countywide inventory of major municipal facilities will be developed, and each facility will be assessed for the potential pollutant discharges. Based on the assessment, a list of high priority facilities will be developed, and annual inspections will be conducted at the high priority facilities. Georgetown County will prioritize their owned and/or operated stormwater management systems and implement a maintenance schedule. All County-Owned structural controls (stormwater BMPs) will be inspected and maintained. In addition, the County will develop a set of pollution prevention measures for operation and maintenance activities. Georgetown County will provide training to appropriate employees to ensure pollution prevention and good housekeeping activities are practiced throughout the County's separate departments.

Table 16: Minimum Measure #6 Permit Requirements

4.2.6.1	Development of a municipal facility and stormwater control inventory:
	<p>Georgetown County will update and maintain an inventory of municipally-owned and stormwater controls that are not covered under a separate general or individual NPDES permit (i.e. industrial, solid waste, etc.). Examples of these types of facilities may include but are limited to composting facilities, equipment storage and maintenance facilities, landscape maintenance on municipal property, material storage yards, public buildings, golf courses, public work yards, recycling facilities, salt storage facilities, municipally owned and/or maintained structural stormwater controls.</p> <p>Georgetown County will also include a list of industrial facilities owned or operated by the County that are subject to SCDHEC NPDES General Permit for Storm Water Discharges associated with Industrial Activity (SCR000000) or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to the County's SMS4. The SCDHEC permit number or a copy of the Industrial NOI form for each facility will be included.</p>
4.2.6.2	Municipally-owned or operated facility assessment:
4.2.6.2.1	Comprehensive assessment of pollutant discharge potential:
	<p>Georgetown County will develop a comprehensive assessment of all County-owned or operated facilities identified in Part 4.2.6.1 at least once during the permit term and include it in the permit reapplication for their potential to discharge pollutants in stormwater.</p>
4.2.6.2.2	Identification of high priority facilities:
	<p><i>Georgetown County will identify "high-priority" facilities that have a high potential to generate stormwater pollutants.</i></p>

4.2.6.2.3 Documentation of comprehensive assessment results:

Georgetown County will document the results of the assessments and maintain copies of all site evaluation checklists used to conduct the comprehensive assessment. The documentation will include the results of Georgetown County's initial assessment, any identified deficiencies and corrective actions taken.

4.2.6.3 Annual comprehensive inspections of high priority facilities:

Starting no later than 24 months from the effective date of coverage and at least once per year thereafter, a comprehensive inspection of "high priority" facilities (Part 4.2.6.2.2), including all stormwater controls, must be performed by Georgetown County. Specific attention will be given to waste storage areas, dumpsters, vehicle and equipment maintenance/fueling areas, material handling areas, and similar potential pollutant-generating areas. The yearly inspection results will be documented, and records will be maintained by Georgetown County. The inspection report will also include any identified deficiencies and the corrective actions taken to fix the deficiencies.

4.2.6.4 Storm Sewer System Maintenance Activities - SMS4 Maintenance:

4.2.6.4.1 Assessment/prioritization of stormwater management systems/structures:

Georgetown County will prioritize their owned and /or operated storm water management systems / structures and implement a maintenance schedule.

4.2.6.4.2 Municipal activities and operation:

Georgetown County will develop a set of pollution prevention measures that, when applied during municipal O&M activities, will reduce the discharge of pollutants in stormwater. Municipal operation and maintenance activities to be considered include but are not limited to; pavement and rights-of-way maintenance, bridge maintenance, cold weather operations, and municipally sponsored events.

4.2.6.4.3 Maintenance of municipally owned and/or maintained structural stormwater controls:

Georgetown County will inspect, and maintain, wherever and whenever necessary, all County owned or maintained structural stormwater controls. Georgetown County will also maintain all municipally owned green infrastructure practices through regularly scheduled maintenance activities.

THIS SECTION INTENTIONALLY LEFT BLANK

4.2.6.5 Employee training and education requirements:

Georgetown County will develop an annual employee training program for appropriate employees involved in implementing pollution prevention and good housekeeping practices.

This annual training will include a general stormwater education component, any new technologies, operations, or responsibilities that arise during the year, and the Permit Requirements that apply to the staff being trained.

A description of the program will be maintained for review by the permitting authority.

Georgetown County will also identify and track all personnel requiring training and records must be maintained.

Training will begin within the first year from the effective date of permit authorization.

4.2.6.6 Requirements for contractor oversight:

Contractors hired by Georgetown County to perform municipal maintenance activities will be contractually required to comply with all of Georgetown County's stormwater control measures, good housekeeping practices, and facility-specific stormwater management procedures.

Georgetown County will provide oversight of contractor activities to ensure that contractors are using appropriate control measures and procedures.

4.2.6.2 Minimum Measure #6 BMP Implementation

In order to meet the requirements of Minimum Measure #6, Georgetown County will:

- Develop a Municipal Facility Inventory
- Conduct Assessment of Non-Permitted Municipal Facility & Identify High Priority Facilities
- Conduct High Priority Facility Inspections
- Prioritize Stormwater Management Systems/Structures
- Develop and Implement Pollution Prevention Measures for Operation and Maintenance Activities
- Inspect and Maintain County-Owned Structural Controls (stormwater BMPS)
- Conduct Pollution Prevention and Good House Keeping Employee Training
- Provide Contractor Oversight.

The following table describes the components of Georgetown County's pollution prevention/good housekeeping for municipal operations program:

Table 17: Best Management Practices - Minimum Measure #6

POLLUTION PREVENTION / GOOD HOUSEKEEPING BMPS			
Municipal Facility Inventory	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
Section: 4.2.6.1			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop an inventory of all County-owned facilities and stormwater controls that are not covered under a separate NPDES permit In addition, include a list of all municipally owned facilities that are covered under a separate NPDES permit.	December 31, 2014	Once during the permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> An inventory of non-permitted municipal facilities A list of all municipally owned facilities that are covered under a separate NPDES permit. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County maintains an inventory of all non permitted County-owned facilities and all municipally owned facilities under a separate NPDES permit. 			
Assessment of Non-Permitted Municipal Facilities	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
Section: 4.2.6.2			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Create a comprehensive assessment of all municipally-owned or operated facilities.	December 31, 2014	Once during permit term	Georgetown County Stormwater Manager
Based on the results of the assessment, identify high priority facilities and document results.	December 31, 2015	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Identify high priority facilities. Documentation of results. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County has identified a list of high priority facilities. 			
Conduct High Priority Facility Inspections	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
Section: 4.2.6.3			
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Create a high priority inspection report template with sections for identified deficiencies and corrective action taken for each site inspection.	December 31, 2015	Once during permit term	Georgetown County Stormwater Manager
Conduct annual facility site inspections including evaluations of potential "pollutant generating" areas and document inspection results.	Throughout Permit Term Beginning in Year 3 (January 1, 2016)	Annual	Georgetown County Stormwater Manager

Measurable Goal:			
<ul style="list-style-type: none"> A high priority facility inspection report form. 			
<ul style="list-style-type: none"> Conduct annual inspections and determine potential “polluting generating” areas at high priority facilities. 			
<ul style="list-style-type: none"> Documentation of facility inspection report forms. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County has developed a high priority inspection report form. Annual inspections will begin in Permit Year 3. 			
<ul style="list-style-type: none"> Georgetown County has been annual inspections on high priority facilities. 			
Prioritization MS4 Stormwater Management Systems/Structures		Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/> Section: 4.2.6.4.1	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Prioritize storm water management systems / structures.	December 31, 2016	Once during permit term	Georgetown County Stormwater Manager
Implement a maintenance schedule for stormwater management systems/structures	December 31, 2018	Once during permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> A schedule to maintain the stormwater management system. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> The stormwater system priority list has been developed. Georgetown County is working to develop a stormwater system maintenance schedule. 			
Develop Pollution Prevention Measures for Operation and Maintenance Activities		Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/> Section: 4.2.6.4.2	
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop a written set of pollution prevention measures for municipal operation and maintenance activities.	December 31, 2015	Once during permit term	Georgetown County Stormwater Manager
Implement pollution prevention measures for municipal operation and maintenance activities.	January 1, 2017	Throughout permit term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Create a set of pollution prevention measures for municipal operation and maintenance activities. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County created pollution prevention measures for municipal operation and maintenance activities. Additionally, each high priority site has an individualized SWPPP. 			

Inspect and Maintain County Owned Structural Controls	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.6.4.3		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Conduct inspections and perform necessary maintenance for County owned structural controls.	December 31, 2015	Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Inspection and maintenance reports. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County inspects and maintains County owned structural controls annually. 			
Pollution Prevention and Good House Keeping Employee Training	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.2.6.5		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Develop an annual employee training program for appropriate employees involved in implementing pollution prevention and good housekeeping practices. Include training for IDDE.	Deadline: December 31, 2014	Once During Permit Term	Georgetown County Stormwater Manager
Create a list of employees that have been identified for pollution prevention training.	Deadline: December 31, 2014	Annually	Georgetown County Stormwater Manager
Conduct pollution prevention and good housekeeping employee training.	December 31, 2015	Annually	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> A pollution prevention employee training plan/program and training logs. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County conducts pollution prevention and good housekeeping training with identified staff annually. 			
Provide Contractor Oversight	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 4.2.6.6		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Provide oversight of contractor activities to ensure that contractors are using appropriate control measures and procedures to comply with all SMS4 stormwater control measures, good housekeeping practices, and facility-specific stormwater management procedures.	Deadline: December 31, 2015	Throughout Permit Term	Georgetown County Stormwater Manager
Measurable Goal:			
<ul style="list-style-type: none"> Georgetown County overseeing contractors. 			
Measurable Goal Update:			
<ul style="list-style-type: none"> Georgetown County provides oversight for contractors to ensure permit compliance. 			

4.5 Reviewing and Updating Storm Water Management Plans

Table 18: Reviewing and Updating SWMP

SWMP REQUIREMENTS			
Update Storm Water Management Plan	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.5.1 & 4.5.2		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Review and revise the SWMP document to keep it up to date during the term of the permit.	December 31, 2018	Annually	Georgetown County Stormwater Manager
Storm Water Management Plan Updates Required by SCDHEC	Not Started: <input type="checkbox"/> In Progress: <input checked="" type="checkbox"/> Completed: <input type="checkbox"/>		
	Section: 4.5.3		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
SCDHEC requested changes to the SWMP	December 31, 2018	As Required	Georgetown County Stormwater Manager

This SWMP is a living document and will be updated and revised throughout the permit term. In accordance with Section 4.5.2 of the SMS4 general permit, additions (but not subtracting or replacing components) to the SWMP will be made at any time with a written notification made to SCDHEC.

Any changes intended to replace an ineffective or unfeasible BMP with an alternate BMP will be requested and submitted in written form to SCDHEC at any time. Unless denied SCDHEC, changes proposed in accordance with the criteria below will be deemed approved and may be implemented sixty (60) days from submittal of the request. If request is denied, SCDHEC will send Georgetown County a written response giving a reason for the decision. The modification requests must include the following:

- An analysis of why the BMP is ineffective or infeasible (including cost prohibitive),
- Expectations on the effectiveness of the replacement BMP, and
- An analysis of why the replacement BMP is expected to achieve the goals of the BMP to be replaced.

Additionally, SCDHEC may request Georgetown County to make changes to the SWMP at any time to:

- Address documented impacts on receiving water quality caused, or contributed to, by discharges from the SMS4;
- Include more stringent requirements necessary to comply with new Federal statutory or regulatory requirements; or
- Include such other conditions deemed necessary by the Department to comply with the goals and requirements of the Clean Water Act.

Changes requested by SCDHEC must be made in writing, set forth the time schedule for the County to develop the changes, and offer the County the opportunity to propose alternative program changes to meet the objective of the requested modification. All changes required by SCDHEC will be made in accordance with South Carolina Water Pollution Control Permits Regulation 61-9 124.5, 122.62, or as appropriate 122.63.

5.3 Reporting

Table 19: Reporting

REPORTING			
1st Report	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 5.3		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Complete and Submit 1 st Report (covering years 1 and 2).	April 01, 2016	Once	Georgetown County Stormwater Manager
2nd Report	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 5.3		
Milestone(s)	Schedule/Deadline	Frequency	Responsible Party
Complete and Submit 2 nd Report (covering years 3 and 4).	July 4, 2018	Once	Georgetown County Stormwater Manager
3rd Report	Not Started: <input type="checkbox"/> In Progress: <input type="checkbox"/> Completed: <input checked="" type="checkbox"/>		
	Section: 5.3		
Milestone(s)	Schedule	Frequency	Responsible Party
Complete and Submit 3 rd Report (covering years 5 and 6).	April 1, 2020	Once	Public Works Department

Unless DHEC requires more frequent reports, reports will be submitted based on the following schedule:

1. The first report covering years 1 and 2 must be submitted to the Department twenty-seven (27) months after the effective date of the permit.
2. The following report, covering years 3 and 4 shall be submitted 180 days before the permit expiration date as part of the re-notification.
3. While, and if the expired permit is continued, reports are due every year on the anniversary date of the expired permit.
4. SCDHEC released a letter, dated December 3, 2019, indicating that the 3rd annual report should be due to April 2, 2020, and shall cover years 2018 and 2019. The letter also

indicated that the annual report and associated appendices, including the updated SWMP, shall be submitted electronically. Georgetown County complied with this letter.

The permit indicates that all reports shall be sent to the address below unless the Department instructs permittees to submit via alternate mechanisms (i.e. electronic mechanisms):

SCDHEC Bureau of Water
Water Pollution Compliance & Enforcement
2600 Bull Street
Columbia, SC 29201-1708

All reports will include:

- The status of the County's compliance with permit conditions, an assessment of the appropriateness of the identified BMP under Part 4, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and the measurable goals for each of the minimum control measures;
- Results of information collected and analyzed, if any, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP;
- A summary of the storm water activities the County plans to undertake during the next reporting cycle (including an implementation schedule);
- Proposed changes to the County's SWMP, including changes to any BMP or any identified measurable goals that apply to the program elements; and
- Notice that the County is relying on another entity to satisfy some of the County's permit obligations (if applicable).
- Information requested in the permit including, but not limited to: sections 1.4.7, 3.1.1.1, 3.2.1.1, 3.2.1.2.2, 3.3.6, 4.1.6 and in the additional conditions applicable to NPDES MS4 permits contained in Appendix B of the SMS4 general permit.

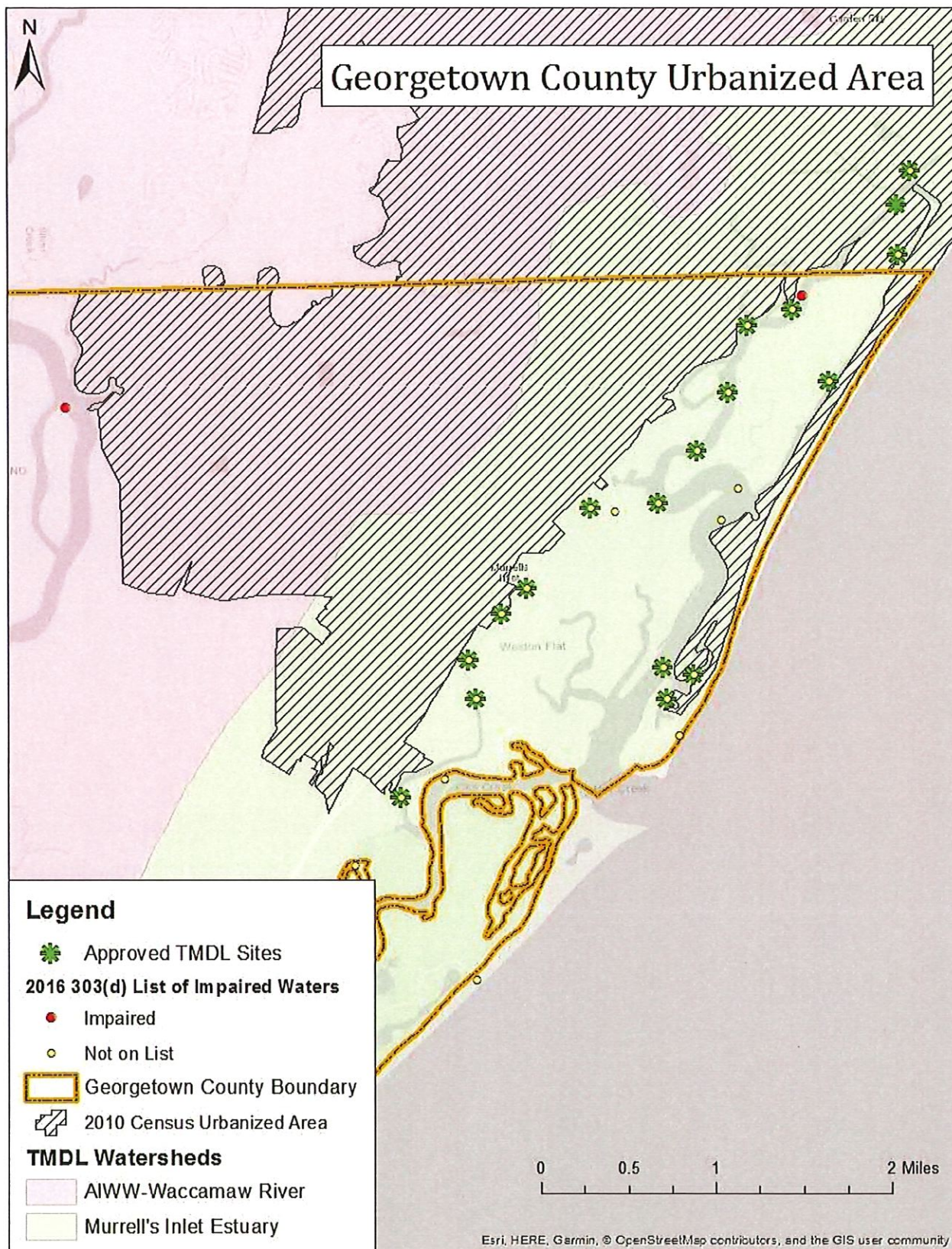
Appendix A Georgetown County Revisions Sheet

Date	Description of Update or Revision
December 2015	Updates to the Minimum Measure tables to reflect the current status of each milestone.
	Interim dates that were not set by the permit were adjusted, if needed.
March 2016	The impaired stations list was updated from the 2012 303(d) list to the 2014 303(d) list. The changes that were made are listed in the 2016 Annual Report and are reflected in the current SWMP.
	The TMDL list was verified at the time of the 2016 Annual Report.
June 2018	The impaired stations list was updated from the 2014 303(d) list to the 2016 303(d) list. The changes that were made are listed in the 2018 Annual Report and are reflected in the current SWMP.
	The TMDL list was verified at the time of the 2018 Annual Report.
March 2020	Updates to the Minimum Measure tables to reflect the current status of each milestone.
	The reporting schedule was updated to reference the SCDHEC letter dated December 3, 2019 indicating the report to cover years 5 and 6; due April 1, 2020.
June 2020	The impaired stations list was updated from the 2016 303(d) list to the 2018 303(d) list.
August 2021	The SWMP was reviewed for accuracy; no changes were made.

Appendix B

Georgetown County

Urbanized Area



Appendix C

TMDL Monitoring and Assessment Plans

Appendix D

Georgetown County

Stormwater Management Ordinance

Appendix E

Standard Operating Procedures for Use in Field Investigations for Illicit Discharges

Appendix F

Enforcement Response Plan

Appendix G

Carolina Clear Contract and Procedures
