

South Carolina NPDES Permit # SCR030000
Small Municipal Separate Storm Sewer System (SMS4)
Annual Report Template

Permit Coverage #SCR 035701

Reporting Period: 9/1/17 – 9/1/18

Permittee: Lancaster County

Program Name: Lancaster County MS4

Reporting for more than one Program:

(Prepare copies of this page for each Program and attach to this report.)

Responsible Official Information

(Enter the information of the principal executive officer, mayor, or other duly authorized employee/elected official.)

Name: Steve Willis

Title: County Administrator

Telephone Number: 803-416-9300

E-mail Address: swillis@lancastercountysc.net

Mailing Address: PO Box 1809 Lancaster SC 29721

Program Manager Information

(Enter the information of the person who is responsible for daily implementation of the program.)

Name: Scott Edgar

Title: County Engineer

Telephone Number: 803-286-3610

E-mail Address: sedgar@lancastercountysc.net

Mailing Address: 8451 Charlotte Hwy, Indian Land SC 29707

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Responsible Official Signature: _____ Date: _____

(The responsible official may authorize another person or person occupying a specific position to certify this report if this authorization is made in writing and submitted to the Department. Please attach a copy of the authorization with this report, if applicable)

Submit the annual report to:
South Carolina Department of Health and Environmental Control
Bureau of Water, Water Pollution Compliance Section
2600 Bull Street
Columbia, SC 29201-1708

Questions? Contact (803) 898-4300

I. Special Conditions Applicable to Stormwater Discharges to Sensitive Waters

A. General (3.1)

1. Has an assessment been conducted to determine if the MS4 discharges to sensitive waters as described in the Permit Part 3? Yes No (what is the target date of completion of the assessment?) _____

2. Does the SWMP specifically address these sensitive waters through BMP, system design, etc.? Yes No

3. Does the MS4 discharge to waters classified as Outstanding Resource, Trout, or Shellfish Harvesting? If so, list the waters (3.5): No Yes _____

B. TMDL Monitoring and Assessment Plan (3.2)

1. Does the MS4 discharge to receiving waters within a TMDL watershed? If yes, list the water body and the pollutant(s) of concern. No Yes _____ (Watershed) Waxhaw Creek (Cause) Fecal Coliform, (Watershed) Six Mile Creek (Cause) Fecal Coliform, (Watershed) Twelve Mile Creek- Fecal Coliform

2. Which of the TMDL pollutant(s) of concern listed above have the potential to occur within the MS4? _____
Fecal Coliform

3. Report the current stage of development of a monitoring and assessment plan. Mark one or more that most accurately reflects the current status of the program as a whole:
 Not started Research/Development Implementation

4. Has the plan been submitted to the Department?
 Yes No, target date for submission: _____ June 2019

5. Has monitoring been conducted for the pollutant(s) of concern in the past reporting year?
 Yes (summary of data attached) No, target date to begin monitoring: _____ May 2019

6. Are there any updates to the plan for this reporting year?
 No Yes (updates attached)

7. Provide a brief description of the progress made on the plan in this reporting year and evaluate its effectiveness. Monitoring and Assessments have not started during this reporting cycle. Development and research are projected to begin February 2019 along with acquiring an additional staff member as of reporting period.

C. Discharges to Impaired Water Bodies (3.4)

1. Does the MS4 discharge to receiving waters on the 303(d) list of impaired waters? If yes, list the water body and the pollutant(s) of concern. No Yes _____

<u>Water Body</u>	<u>Monitoring Station #</u>	<u>Pollutant of Concern</u>
Sugar Creek at SC160	CW013	BIO

Sugar Creek at S-46-36	CW036	Ecoli/CU
McAlpine Creek at S-29-64	CW064	BIO/Ecoli
Sugar Creek at McAlpine Creek	CW246	BIO

2. Which of the 303(d) pollutant(s) of concern listed above have the potential to occur within the MS4? _____

 BIO/Ecoli/CU

II. Storm Water Management Program

A. Ordinance Information (4.1)

(Insert your website address if the ordinance is posted online. If your ordinance is not posted online, please submit a hard copy with this report.)

Website: https://www.mylancastersc.org/index.asp?SEC=0A38956E-6884-4B15-8938-19603B7879D6&Type=B_BASIC

B. Storm Water Management Plan (SWMP) (4.1, 4.5)

(Answer the questions below about the SWMP for the current reporting year.)

1. Have there been any changes to the area covered by the MS4? If yes, is this reflected by updates to the SWMP?

No Yes *(explain):* _____

2. Are there any proposed changes to the goals or BMP (best management practices) in the SWMP?

No Yes *(explain):* _____

3. Do you have adequate resources to implement your SWMP?

Yes No *(explain):* _____ In the reporting period, the Stormwater Department added five (5) new staff members from February-April 2018. We are a new department. It has taken time to implement systems and responsibilities. Our first priority has been concentrating on the most obvious potential environmental impacts, MCM #4 construction inspection. We have 50+ large on-going projects in the SMS4 service area which potentially release large volumes of sediment to waters of the state.

4. Provide information below about staffing levels for each Minimum Control Measure (MCM). This information should be presented as the amount of individuals performing duties directly related to each MCM and the estimated percentage of their time spent doing so. If you share responsibility for the MCM with another entity, indicate that in the corresponding spaces.

- MCM 1: Public Outreach:
 - Manager 15%, Outreach 40%
- MCM 2: Public Involvement:
 - Manager 15%, Outreach 30%, Staff Eng. 10%
- MCM 3: Illicit Discharge and Detection:
 - Manager 10%, Outreach 10%, Lead Insp. 10%, (2) staff inspectors 10%, Staff Eng. 10%
- MCM 4: Construction Inspection:

- Manager 20%, Lead Insp. 70%, (2) staff inspectors 70%, Staff Eng. 60%
- MCM 5: Post Construction:
 - Manager 30%, Outreach 10%, Lead Insp. 20%, (2) staff inspectors 20%, Staff Eng. 20%
- MCM 6: Good House Keeping:
 - Manager 10%, Outreach 10%

5. Has training been provided to staff as required by the permit in the last reporting year?

X Yes (fill in the table below) **X No** (explain, and provide implementation dates): MSM4 staff has participated in training during the reporting period as noted below. We have "RainCheck"MS4 training series and working on customizing the materials therein to Lancaster County specific requirements for field staff and shop personnel throughout the county.

Date	Topics Covered
May 23	SMS4 SCASM Virtual Conference
June 7	SCASM 2 nd Quarter Meeting- CGP Updates

III. Minimum Control Measures (MCM)

A. Sharing Responsibility (4.4)

1. Is responsibility shared for any minimum measures through an agreement with another entity?

X No Yes (name the entity in the chart below)

MCM 1	N/A
MCM 2	N/A
MCM 3	N/A
MCM 4	N/A
MCM 5	N/A
MCM 6	N/A

If you have indicated that you are sharing responsibility above in any MCM, answer the questions below:

2. Have you submitted notice to the Department that you are relying on another entity?

Yes **X No** (submit a copy of any agreements that have not previously been sent to the Department)

3. If applicable, provide the date of submission of the agreement(s) to the Department: N/A

4. Are all control measures as stringent as the permit requires?

Yes **X No** (if no, provide an explanation) N/A

5. Did the other entity agree in writing to implement the measure on your behalf?

Yes **X No** (if no, provide an explanation) N/A

6. Did the other entity implement the measure and agree to report on your behalf?
 Yes No (if no, provide an explanation) _____ N/A
7. Is the agreement maintained as part of the SWMP?
 Yes No (if no, provide an explanation) _____ N/A
8. Have you dissolved any agreements with entities this reporting year?
 No Yes (if yes, who?) _____ N/A

III. Minimum Control Measures (MCM)

B. Minimum Control Measure 1: Public Education and Outreach on Storm Water Impacts (4.2.1, 5.3)

1. Use the table below to summarize outreach strategies, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

Pollutant of Concern	Outreach Strategy <i>(include target audiences)</i>	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned <i>(specific implementation dates)</i>	Number of People Reached
Fecal coliform	Dog poop scoop campaign, pet owners, veterinarian offices, and grooming shops	Unknown	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	Distribution of poop bags and dispensers ongoing	Distributed XX poop bag holders
			<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation		
			<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation		
			<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation		

C. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: This primary MCM objective is to change behaviors, we are seeking that objective through education efforts starting with school children. See www.cleanlancastersc.net or our facebook, XX , accounts to see our on-going efforts in that realm.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: We are seeking new educational opportunities to encourage environmental stewardship.

III. Minimum Control Measures (MCM)

D. Minimum Control Measure 2: Public Involvement/Participation (4.2.2, 5.3)

1. How can the public find information about the SWMP? The SWMP is located on Lancaster County Stormwater page at <https://www.mylancastersc.org/vertical/Sites/%7BA02FC01E-6C41-44F4-BE02-9B73FC0206C5%7D/uploads/20170901SWMPupdateFINAL.pdf>

2. Use the table below to summarize public involvement opportunities, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

Public Involvement Opportunity	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned <i>(specific implementation dates)</i>	Number of Participants
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation		
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation		
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation		
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation		
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation		

E. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: _____

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: _____

III. Minimum Control Measures (MCM)

F. Minimum Control Measure 3: Illicit Discharge Detection and Elimination (IDDE) (4.2.3, 5.3)

1. How can the public notify the MS4 of suspected illicit discharges? Lancaster County Stormwater Hotline number is (803) 286-3607 and email is stormwater@lancastercountysc.net.

2. Complete the list below for the last reporting year:

- Total number of suspected illicit discharges: Unknown
- Total number of illicit discharges found: 0 unknown chemical, many sediment discharges
- Number of illicit discharges with enforcement escalation (action taken beyond written warning): 0
- Total number of illicit discharges eliminated: 0 chemical, many sediment

3. Use the table below to summarize priority areas (and associated rationale for selection) for screening. If these areas have changed since the last reporting year, provide a brief explanation. Add rows where needed and attach additional sheets if necessary.

Priority Areas	Rationale for Selection	Changed within last reporting year? (If so, provide an explanation.)
Construction Sites	The County has prioritized active construction sites due to increased development	

4. Use the table below to summarize IDDE action items, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

IDDE Action Item	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned (specific implementation dates)
Legal Authority	Develop an ordinance with clear established authority	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	Creating an independent IDDE Ordinance that is clear and easily accessible to the community.
Enforcement	Clearly identify and establish authority to inspect and enforce	<input checked="" type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	Planning and creating processes/procedures for enforcement actions.
Monitoring/Tracking	Create an inter departmental tracking system	<input checked="" type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	Meetings to discuss best County tracking systems. Current software is capable. County is expanding licensing of this software for MS4 use

G. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: Staff members have been very active in responding to IDDE calls and violations.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: A specific Illicit Discharge Ordinance is being developed and modified by Stormwater staff. It is our hope that the ordinance will be approved and adopted by next year's annual reporting.

DRAFT

III. Minimum Control Measures (MCM)

H. Minimum Control Measure 4: Construction Site Storm Water Runoff Control (4.2.4, 5.3)

1. How can the public notify the MS4 of possible noncompliance at construction sites? Lancaster County
 Stormwater Hotline number is (803) 286-3607 and email is stormwater@lancastercountysc.net.

2. How does the MS4 communicate with construction operators to ensure understanding of requirements and improvements that may be needed? A preconstruction meeting is held for all new construction sites. At this meeting contractors and Stormwater staff review expectations and go over approved stamped plans. Should there be any additional questions, comments or concerns throughout the life of the project Stormwater staff are available with responses within less than 3 business days or less.

3. Has an enforcement response plan (ERP) been developed and utilized?

X Yes X No (*explain*): The enforcement response plan within the Stormwater Management ordinance which was being written during this reporting period. We issued 3 Notice of Violations, and 1 stop work order in the reporting period.

4. Complete the list below for the last reporting year:

- Number of new construction sites: 20 (Exhibit A)
- Total number of active construction sites: 15
- Total number of inspections performed: Biweekly inspections of all active sites
- Number of sites with unsatisfactory/noncompliant inspection results: most had unsatisfactory inspections, the contractors had not been accustomed to erosion control measure inspections, many hours in relationship building and compliance education with contractors.
- Number of sites with enforcement escalation (action taken beyond written warning): 3 NOVs, 1 Stop Work order issued in reporting period.
- Number of sites inspected past the deadline specified in the permit: not sure what the question is asking

5. Use the table below to summarize construction site action items, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Add rows where needed and attach additional sheets if necessary.

Construction Site Action Item	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned <i>(specific implementation dates)</i>
Communication Software	Acquisition of Centralized project management system	<input checked="" type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	Obtaining centralized software so that inspectors are aware of approved site projects.

Plan Review	LC UDO contains plan review requirements. Requirements are reviewed and updated to assist applicants in the permitting process	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	The County is modifying the plan review process to make it easier on applicants to effectively provide correct information for sediment and erosion control.
NPDES Permit/Land Disturbance Permit	Educate the community on Stormwater permitting process/procedures.	<input type="checkbox"/> In Planning <input checked="" type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	Creating process and procedures to streamline the issuance of a NPDES permit.

I. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: Personnel for plan review, site inspections and public outreach were not acquired until after March of 2018. However, most staff members had recent experience and knowledge of Stormwater management, thus making the development of the new MS4 program easier for the County and the community. Some staff members worked with or in other local SC MS4 programs; thus making it easier to continue to build relationships with the developmental community.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: The inability to have a single mechanism to communicate effectively interdepartmentally has been a challenge for land disturbance activities and plan review. The County is aware of the required changes and has purchased additional licenses on existing software such that projects, permits and inspections can be all accomplished in one space.

ordinance. Due to the current talents and experienced staff, most post construction issues or concerns are being addressed quickly and within the SCDHEC standards.

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: Not having a centralized communication software has proved to be a challenge for tracking and monitoring of post construction activities. County will be adopting new software system next year. Lancaster County Stormwater program hopes this system will assist in inspections, if it does not other software programs have also been evaluated solely for SMS\$ users.

III. Minimum Control Measures (MCM)

L. Minimum Control Measure 6: Pollution Prevention/Good Housekeeping for Municipal Operations (4.2.6, 5.3)

1. Has a comprehensive assessment of the pollutant discharge potential for all municipally owned facilities been conducted? If not, indicate a status and planned completion date in the chart below.

Yes No In Progress (*explain*): _____

2. Have yearly comprehensive inspections been conducted at high priority facilities? If not, indicate a status and planned completion date in the chart below.

Yes No In Progress (*explain*): _____

3. Has training been conducted for employees? If not, indicate a status and planned completion date in the chart below.

Yes No In Progress(*explain*): _____

4. Use the table below to summarize municipal facility pollution prevention action items, goals, and progress for the current reporting year. In the “activities conducted and planned” section, focus on activities that were conducted in the last reporting year and those that are planned for the upcoming reporting year, providing implementation dates. Ensure that the maintenance and inspection of MS4 catch basins and structural storm water controls are addressed in the chart. Add rows where needed and attach additional sheets if necessary.

Pollution Prevention Action Item	Measurable Goal(s)	Progress on Goal(s)	Activities Conducted and Planned <i>(specific implementation dates)</i>
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed	

		<input type="checkbox"/> Evaluation	
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	
		<input type="checkbox"/> In Planning <input type="checkbox"/> Ongoing <input type="checkbox"/> Completed <input type="checkbox"/> Evaluation	

M. Control Measure Evaluation (5.3)

1. Evaluate the success of this MCM. Refer to goals implemented and achieved, and adherence to the implementation schedule: _____

2. Provide an evaluation of where the program needs improvement and explain any actions that will be taken to achieve objectives: This MCM was not implemented during this reporting period. However, process, procedures and education are being planned prior to next year's annual review submittal

Exhibit A- Number of Project Plans Reviewed for September 1, 2017 –Sept 1, 2018

