



Tennessee Department of Environment and Conservation
 Division of Water Pollution Control
 Enforcement and Compliance Section
 L&C Annex, 6th Floor, 401 Church Street
 Nashville, TN 37243
 (615) 532-0625

Small Municipal Separate Storm Sewer System (MS4) Annual Report

1. MS4 INFORMATION

City of Spring Hill

Name of MS4

Steven Warf

Name of Contact Person

931-486-2252 ext 239

Telephone (including area code)

P.O. Box 789

Mailing Address

Spring Hill

TN

37174

City

State

ZIP code

What is the current population of your MS4? 29,735

What is the reporting period for this annual report? From Sep 2011 to Sep 2012

2. PROTECTION OF STATE OR FEDERALLY LISTED SPECIES

A. Are any of the MS4 discharges or discharge-related activities likely to jeopardize any state or federally listed species (**Part 3, Special Conditions, General Permit for Phase II MS4s**) Yes No

B. Please attach the determination of the effect of the MS4 discharges on state or federally listed species per sub-part 3.2.1

3. WATER QUALITY PRIORITIES

A. Does your MS4 discharge to waters listed as impaired on the state 303(d) list? Yes No

B. If yes, identify each impaired water, the impairment cause(s), whether a TMDL has been approved by EPA for each, and whether the TMDL identifies your MS4 as a source of the impairment.

Waterbody I.D. #	Cause/TMDL Priority	Approved TMDL		MS4 Assigned to WLA	
TN06040003034-0300 McCutcheon Creek	Loss of biological integrity due to siltation / N/A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06040003034-2000 & 3000 Rutherford Creek	Loss of biological integrity due to siltation/N/A Nitrates/L Phosphate/L	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

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TN06040003034-0700 Loss of biological integrity Yes No Yes No
Crooked Creek due to siltation/ N/A

Physical Substrate Habitat
Alterations/ N/A

TN06040003034-0410 Alteration in Stream-side or
Grassy Branch littoral vegetative cover/ N/A

Loss of biological integrity
due to siltation/ N/A

Approved TMDL - Yes
MS4 assigned to WLA- Yes

C. What specific sources of these pollutants of concern are you targeting?Siltation /Alteration/and Urban Run Off

D. Do you have discharges to any Exceptional TN Waters (ETWs) or Outstanding National Resource Waters (ONRWS)? Yes No

E. Are you implementing additional specific provisions to ensure the continued integrity of ETWs or ONRWS located within your jurisdiction? Yes No

4. PUBLIC EDUCATION AND PUBLIC PARTICIPATION

A. Is your public education program targeting specific pollutants and sources of those pollutants? Yes No

B. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program?Siltation from Construction Sites and Urban Run Off

C. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.Participation in Wet Program by Williamson County Schools- 424 Students trained, Public participation and education during community events- 164 volunteers to support events such as , Tree Plantings - 2,716 trees planted at buffer zone areas, Stream Cleanups approximately 2 miles, Live Stakes Planting- 330 on blue line stream banks, Maintained pamphlet holders to distribute educational material to the public at the Spring Hill City Hall, Library and the Longview Rec Center to target urban pollution, construction sediment runoff, Automotive, restaurant and other commercial activities, Notified all residential and commercial property owners of BMP maintenance requirements, Distributed EPA storm water educational materials to approximately 1,200 residents following storm water maintenance actions in their subdivisions

D. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program? Yes No

E. Provide a summary of all public meetings required by the permit. Storm Water Advisory Committee Meetings(SWAC) held at City Hall on the 4th Monday of every month at 6pm

5. CODES AND ORDINANCES REVIEW AND UPDATE

A. Is a completed copy of the EPA Water Quality Scorecard submitted with this report? Yes No

B. Include status of implementation of code, ordinance and/or policy revisions associated with permanent stormwater management. Ordinance Draft for new permit submitted to Board of Mayor and Alderman for adoption vote

6. CONSTRUCTION

A. Do you have an ordinance or adopted policies stipulating:
Erosion and sediment control requirements? Yes No

Other construction waste control requirements? Yes No

Requirement to submit construction plans for review? Yes No

MS4 enforcement authority? Yes No

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- B. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? 36
- C. How many of these active sites did you inspect this reporting period? 36
- D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? Monthly
- E. Do you prioritize certain construction sites for more frequent inspections? Yes No
If Yes, based on what criteria? NOV's

7. ILLICIT DISCHARGE ELIMINATION

- A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? Yes No
- B. Have you completed a map of all storm drain pipes of storm sewer system? Yes No
- C. How many outfalls have you identified in your system? 252
- D. How many of these outfalls have been screened for dry weather discharges? 252
- E. How many of these have been screened more than once? 0
- F. What is your frequency for screening outfalls for illicit discharges? Once per permit period
- G. Do you have an ordinance that effectively prohibits illicit discharges? Yes No
- H. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? 3
- I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? 3

8. STORMWATER MANAGEMENT FOR MUNICIPAL OPERATIONS

- A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:
- All parks, ball fields and other recreational facilities Yes No
 - All municipal turf grass/landscape management activities Yes No
 - All municipal vehicle fueling, operation and maintenance activities Yes No
 - All municipal maintenance yards Yes No
 - All municipal waste handling and disposal areas Yes No
- B. Are stormwater inspections conducted at these facilities? Yes No
1. If Yes, at what frequency are inspections conducted? Monthly
- C. Have standard operating procedures or BMPs been developed for all MS4 field activities? (e.g., road repairs, catch basin cleaning, landscape management, etc.) Yes No
- D. Do you have a prioritization system for storm sewer system and permanent BMP inspections? Yes No
- E. On average, how frequently are catch basins and other inline treatment systems inspected? Once per permit period
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? Once per permit period
- G. Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management? Yes No
- H. If yes, do you also provide regular updates and refreshers? Yes No
If so, how frequently and/or under what circumstances? Annual Training,ESPC level 1&2 as required to retain current TDEC certifications

9. PERMANENT STORMWATER CONTROLS

- A. Do you have an ordinance or other mechanism to require:
- Site plan reviews of all new and re-development projects? Yes No

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- Maintenance of stormwater management controls? Yes No
- Retrofitting of existing BMPs with green infrastructure BMPs? Yes No
- B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc.) All projects get a preconstruction review by all applicable departments
- C. Have you implemented and enforced performance standards for permanent stormwater controls? Yes No
- D. Do these performance standards go beyond the requirements found in paragraph 4.2.5.2 and require that pre-development hydrology be met for:
- Flow volumes Yes No
- Peak discharge rates Yes No
- Discharge frequency Yes No
- Flow duration Yes No
- E. Please provide the URL/reference where all permanent stormwater management standards can be found.
Old Storm Water Ordinance 07-45/New Storm Water Management Ordinance Chapter 6 section 18 of City Code / Water Quality Buffer Zone policy/Storm Water Utility Ordinance 10-17/Storm Water Utility Credit and Adjustment Policy are located on the City of Spring Hill Web site on the MS4 page www.springhilltn.org
- F. How many development and redevelopment project plans were reviewed for this reporting period? 10
- G. How many development and redevelopment project plans were approved? 10
- H. How many permanent stormwater management practices/facilities were inspected? 172
- I. How many were found to have inadequate maintenance? 12
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify) 12
- K. How many enforcement actions were taken that address inadequate maintenance? 0
- L. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? Yes No
- M. Do all municipal departments and/or staff (as relevant) have access to this tracking system? Yes No
- N. Has the MS4 developed a program to allow for incentive standards for redeveloped sites? Yes No
- O. How many maintenance agreements has the MS4 approved during the reporting period? 0

10. ENFORCEMENT

- A. Identify which of the following types of enforcement actions you used during the reporting period, indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater control) or note those for which you do not have authority:

Action	Construction	Permanent Stormwater Controls	Illicit Discharge	Authority?
Notice of violation	# <u>4</u>	# <u>12</u>	# <u>3</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Administrative fines	#_____	#_____	#_____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Stop Work Orders	#_____	#_____	#_____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Civil penalties	#_____	#_____	#_____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Criminal actions	#_____	#_____	#_____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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Administrative orders #_____ #_____ #_____ Yes No

Other _____ #_____ #_____ #_____

B. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions in your jurisdiction? Yes No

C. What are the 3 most common types of violations documented during this reporting period? NOV/ for property maintenance and modification of swales/ for silt and BMP maintenance on Construction sites are the two most common with no third category

11. PROGRAM RESOURCES

A. What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period? \$ 538,550

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? \$916,061

C. Do you have an independent financing mechanism for your stormwater program? Yes No

D. If so, what is it/are they (e.g., stormwater fees), and what is the annual revenue derived from this mechanism? Source: Storm Water Fee/ ERU = \$3.50 per 3412 sq ft impervious surface Amount \$675,400

Source: _____ Amount \$ _____

E. How many full time employees does your municipality devote to the stormwater program (specifically for implementing the stormwater program vs. municipal employees with other primary responsibilities that dovetail with stormwater issues)? 6

F. Do you share program implementation responsibilities with any other entities? Yes No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism

12. EVALUATING/MEASURING PROGRESS

A. What indicators do you use to evaluate the overall effectiveness of your Stormwater Management Program, how long have you been tracking them, and at what frequency? Note that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
Example: E. coli	2003	Weekly April–September	20

B. Provide a summary of data (e.g., water quality information, performance data, modeling) collected in order to evaluate the performance of permanent stormwater controls installed throughout the system. This evaluation may include a comparison of current and past permanent stormwater control practices. _____

13. STORMWATER MANAGEMENT PROGRAM UPDATE

A. Describe any changes to the MS4 program during the reporting period including but not limited to:

Changes adding (but not subtracting or replacing) components, controls or other requirements per **paragraph 4.4.2.a of the permit.** None

Changes to replace an ineffective or unfeasible BMP **per paragraph 4.4.2.b of the permit.** None

Information (e.g. additional acreage, outfalls, BMPs) on program area expansion based on annexation or newly urbanized areas. None

Changes to the program as required by the division. None

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14. CERTIFICATION

This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.

“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.”

Printed Name and Title

Signature

Date

Annual reports must be submitted in accordance with the requirements of subpart 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by September 30 of each calendar year, as shown in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	540 McCallie Avenue STE 550	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000