



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

**Small Municipal Separate Storm Sewer System (MS4) Annual Report**

**1. MS4 INFORMATION**

Town of Signal Mountain

Name of MS4

Bill Lusk

Name of Contact Person

423-886-2177

Telephone (including area code)

1111 Ridgeway Avenue

Mailing Address

Signal Mountain

TN

37377

City

State

ZIP code

What is the current population of your MS4? 7,554

What is the reporting period for this annual report? From July 2011 to June 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	
TN06020001087-1000	E coli	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06020001109-0100	E coli	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06020001109-0400	E coli	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

C. What specific sources of these pollutants of concern are you targeting?septic tanks & sewer

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?septic & sewer

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C. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period. \_\_\_\_\_

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. \_\_\_\_\_

### 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. Updated Stormwater Ordinance is pending council approval in December 2012

### 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

B. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? 2

C. How many of these active sites did you inspect this reporting period? all

D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? weekly, and after rain events

E. Do you prioritize certain construction sites for more frequent inspections?  Yes  No  
If Yes, based on what criteria? New construction sites are inspected frequently to verify BMP maintenance.

### 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? 175

D. How many of these outfalls have been screened for dry weather discharges? 0

E. How many of these have been screened more than once? 0

F. What is your frequency for screening outfalls for illicit discharges? once every permit cycle

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)? 0

I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? N/A

### 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? as needed

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- 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? prior to storm events
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? prior to storm events
- 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? Level 1 (3 years), TTAP classes (when offered), PW in-house training

### 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
- 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.) projects disturbing greater than one acre
- 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.  
<http://signalmountaintn.gov/departments> or <http://hamiltontn.gov/WaterQuality/BMP.aspx>
- F. How many development and redevelopment project plans were reviewed for this reporting period? 2
- G. How many development and redevelopment project plans were approved? 2
- H. How many permanent stormwater management practices/facilities were inspected? 2
- I. How many were found to have inadequate maintenance? 0
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify) N/A
- K. How many enforcement actions were taken that address inadequate maintenance? N/A
- 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

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- 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>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative fines	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop Work Orders	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Civil penalties	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Criminal actions	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Administrative orders	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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? improper use of BMPs, failure to maintain BMPs

### 11. PROGRAM RESOURCES

- A. What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period? FY 2011/07 -2012/06 \$192,242.00 (unaudited)
- B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? FY 2012/07-2013/06 Budget \$346,165.00
- 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: FY 2012/07 -2013/06 Budget - Service charge Amount \$258,000.00  
 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)? 0
- F. Do you share program implementation responsibilities with any other entities?  Yes  No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
Hamilton County Water & Wastewater Authority	sewer	We report sewer problems to them and they report problems they find to us.
Hamilton County Health Department	septic	We report failing or suspected failure of septic system to them.

### 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
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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. We have collected water quality data for E coli in the Town's three 303d listed streams; the purpose of this data collection was to create a data base that detailed any improvements to water quality as well as areas where the data trends have remained constant or degraded. Periodic testing will allow us to evaluate the status of stream quality.

### 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. Changes will be made as needed for annexation, occurring in 2013.

Changes to the program as required by the division. none

### 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.”

*Bill Lusk, Mayor*

Printed Name and Title



Signature

*9/28/12*

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