



Tennessee Department of Environment and Conservation  
Division of Water Resources  
William R. Snodgrass Tennessee Tower,  
312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243  
1-888-891-8332 (TDEC)

Phase II Small Municipal Separate Storm Sewer System (MS4) Annual Report

1. MS4 Information

Name of MS4: Hamblen County	MS4 Permit Number: TNS077763	
Contact Person: Tina Whitaker	Email Address: twhitaker@co.hamblen.tn.us	
Telephone: (423) 581-1373	MS4 Program Web Address:	
Mailing Address: 511 W. 2 <sup>nd</sup> North Street		
City: Morristown	State: TN	ZIP code: 37814

What is the current population of your MS4? 64,569

What is the reporting period for this annual report? July 1 18 to June 30 19

2. Discharges to Waterbodies with Unavailable Parameters or Exceptional Tennessee Waters (Section 3.1)

- A. Does your MS4 discharge into waters with unavailable parameters (previously referred to as impaired) for pathogens, nutrients, siltation or other parameters related to stormwater runoff from urbanized areas as listed on TN's most current 303(d) list and/or according to the on-line state GIS mapping tool ([tdeconline.tn.gov/dwr/](http://tdeconline.tn.gov/dwr/))? If yes, attach a list. ☒ Yes ☐ No
- B. Are there established and approved TMDLs (<http://www.tn.gov/environment/article/wr-ws-tennessees-total-maximum-daily-load-tmdl-program>) with waste load allocations for MS4 discharges in your jurisdiction? If yes, attach a list. ☐ Yes ☒ No
- C. Does your MS4 discharge to any Exceptional Tennessee Waters (ETWs - [http://environment-online.tn.gov:8080/pls/enf\\_reports/f?p=9034:34304:4880790061142](http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34304:4880790061142))? If yes, attach a list. ☐ Yes ☒ No
- D. Are you implementing specific Best Management Practices (BMPs) to control pollutant discharges to waterbodies with unavailable parameters or ETWs? If yes, describe the specific practices: \_\_\_\_\_. ☐ Yes ☒ No

3. Public Education/Outreach and Involvement/Participation (Sections 4.2.1 and 4.2.2)

- A. Have you developed a Public Information and Education plan (PIE)? ☒ Yes ☐ No
- B. Is your public education program targeting specific pollutants and sources, such as Hot Spots? If yes, describe the specific pollutants and/or sources targeted by your public education program: see attached ☒ Yes ☐ No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: \_\_\_\_\_ ☐ Yes ☒ No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: see attached
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: see attached

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- F. Summarize any specific successful outcome(s) (e.g., citizen involvement, pollutant reduction, water quality improvement, etc.) fully or partially attributable to your public education and participation program during this reporting period: See attached

4. Illicit Discharge Detection and Elimination (Section 4.2.3)

- A. Have you developed and do you continue to update a storm sewer system map that shows the location of system outfalls where the municipal storm sewer system discharges into waters of the state or conveyances owned or operated by another MS4? ☒ Yes ☐ No
- B. If yes, does the map include inputs into the storm sewer collection system, such as the inlets, catch basins, drop structures or other defined contributing points to the sewershed of that outfall, and general direction of stormwater flow? ☒ Yes ☐ No
- C. How many outfalls have you identified in your storm sewer system? over 200 streams and road crossings
- D. Do you have an ordinance, or other regulatory mechanism, that prohibits non-stormwater discharges into your storm sewer system? ☒ Yes ☐ No
- E. Have you implemented a plan to detect, identify and eliminate non-stormwater discharges, including illegal disposal, throughout the storm sewer system? If yes, provide a summary: \_\_\_\_\_ ☐ Yes ☒ No
- F. How many illicit discharge related complaints were received this reporting period? 1
- G. How many illicit discharge investigations were performed this reporting period? 1
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 1

5. Construction Site Stormwater Runoff Pollutant Control (Section 4.2.4)

- A. Do you have an ordinance or other regulatory mechanism requiring:
- Construction site operators to implement appropriate erosion prevention and sediment control BMPs consistent with those described in the TDEC EPSC Handbook? ☒ Yes ☐ No
- Construction site operators to control wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste? ☒ Yes ☐ No
- Design storm and special conditions for unavailable parameters waters or Exceptional Tennessee Waters consistent with those of the current Tennessee Construction General Permit (TNR100000)? ☒ Yes ☐ No
- B. Do you have specific procedures for construction site plan (including erosion prevention and sediment BMPs) review and approval? ☒ Yes ☐ No
- C. Do you have sanctions to enforce compliance? ☒ Yes ☐ No
- D. Do you hold pre-construction meetings with operators of priority construction activities and inspect priority construction sites at least monthly? ☒ Yes ☐ No
- E. How many construction sites disturbing at least one acre or greater were active in your jurisdiction this reporting period? 3
- F. How many active priority and non-priority construction sites were inspected this reporting period? 53
- G. How many construction related complaints were received this reporting period? 31

6. Permanent Stormwater Management at New Development and Redevelopment Projects (Section 4.2.5)

- A. Do you have a regulatory mechanism (e.g. ordinance) requiring permanent stormwater pollutant removal for development and redevelopment projects? If no, have you submitted an Implementation Plan to the Division? ☒ Yes ☐ No  
☐ Yes ☐ No
- B. Do you have an ordinance or other regulatory mechanism requiring:
- Site plan review and approval of new and re-development projects? ☒ Yes ☐ No
- A process to ensure stormwater control measures (SCMs) are properly installed and maintained? ☒ Yes ☐ No
- Permanent water quality riparian buffers? If yes, specify requirements: 30/60 ☒ Yes ☐ No
- C. What is the threshold for development and redevelopment project plans plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? all projects
- D. How many development and redevelopment project plans were reviewed for this reporting period? 3
- E. How many development and redevelopment project plans were approved? 3
- F. How many permanent stormwater related complaints were received this reporting period? 1
- G. How many enforcement actions were taken to address improper installation or maintenance? 1
- H. Do you have a system to inventory and track the status of all public and private SCMs installed on development and redevelopment projects? ☐ Yes ☒ No
- I. Does your program include an off-site stormwater mitigation or payment into public stormwater fund? If yes, specify. \_\_\_\_\_ ☐ Yes ☒ No

7. Stormwater Management for Municipal Operations (Section 4.2.6)

- A. As applicable, have stormwater related operation and maintenance plans that include information related to maintenance activities, schedules and the proper disposal of waste from structural and non-structural stormwater controls been developed and implemented at the following municipal operations:
- Streets, roads, highways? ☒ Yes ☐ No
- Municipal parking lots? ☒ Yes ☐ No
- Maintenance and storage yards? ☒ Yes ☐ No
- Fleet or maintenance shops with outdoor storage areas? ☒ Yes ☐ No
- Salt and storage locations? ☒ Yes ☐ No
- Snow disposal areas? ☒ Yes ☐ No
- Waste disposal, storage, and transfer stations? ☒ Yes ☐ No
- B. Do you have a training program for employees responsible for municipal operations at facilities within the jurisdiction that handle, generate and/or store materials which constitute a potential pollutant of concern for MS4s? ☒ Yes ☐ No
- If yes, are new applicable employees trained within six months, and existing applicable employees trained and/or retrained within the permit term? ☒ Yes ☐ No

8. Reviewing and Updating Stormwater Management Programs (Section 4.4)

- A. Describe any revisions to your program implemented during this reporting period including but not limited to:

Modifications or replacement of an ineffective activity/control measure. none this reporting periodChanges to the program as required by the division to satisfy permit requirements. none this reporting period

Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. \_\_\_\_\_

- B. In preparation for this annual report, have you performed an overall assessment of your stormwater management program effectiveness? If yes, summarize the assessment results, and any modifications and improvements scheduled to be implemented in the next reporting period.
- see attached

☒ Yes☐ No9. Enforcement Response Plan (Section 4.5)

- A. Have you implemented an enforcement response plan that includes progressive enforcement actions to address non-compliance, and allows the maximum penalties specified in TCA 68-221-1106? If no, explain. \_\_\_\_\_

☒ Yes☐ No

- B. As applicable, identify which of the following types of enforcement actions (or their equivalent) were used during this reporting period; indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater management), and note those for which you do not have authority:

<u>Action</u>	<u>Construction</u>	<u>Permanent Stormwater</u>	<u>Illicit Discharge</u>	<u>In Your ERP?</u>	
Verbal warnings	<u>#4</u>	<u>#0</u>	<u>#0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	<u>#28</u>	<u>#1</u>	<u>#1</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Citations with administrative penalties	<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
Withholding of plan approvals or other authorizations	<u>#0</u>	<u>#0</u>	<u>#0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Additional Measures	<u>#0</u>	<u>#0</u>	<u>#0</u>	Describe: <u>0</u>	

- C. Do you track instances of non-compliance and related enforcement documentation?
- ☒
- Yes
- ☐
- No

- D. What were the most common types of non-compliance instances documented during this reporting period?
- 
- erosion and sediment leaving construction sites

10. Monitoring, Recordkeeping and reporting (Section 5)

- A. Summarize any analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period.
- 0

- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period.
- 0

- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report.

☐ Yes☒ No

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11. 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 Brittain County Mayor*

Printed Name and Title

*Bill Brittain*

Signature

*8/30/19*

Date

Annual reports must be submitted by September 30 of each calendar year (Section 5.4) to the appropriate Environmental Field Office (EFO), identified in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	1301 Riverfront Pkwy, Suite 206	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 520-6688
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

## 2018-2019 Annual Report Attachments

### 3. Public Education/Outreach and Involvement/Participation

#### B. Describe specific pollutants targeted by the program

Bulk waste pickup and placements of all items near county road (catch basins, drainage areas)

Rain Barrel –harvesting water to decrease household's impact on local waterways.

Pamphlets, postcards and brochures –TN Homeowner's Guide to Cleaner Water, Septic systems repairs and maintenance, Stormwater Pollution Solutions, Brochures sent to business owners in the county with information pertaining to their business.

Local Events-HHW and BOPOE held annual to collect -oil, antifreeze, pesticides, herbicides, paints, chlorine, solvents, other potentially harmful chemicals, and waste material.

#### D) Summarize how you advertise and publicize your public education, outreach, involvement, and participation opportunities:

Partner with Keep Morristown Hamblen Beautiful to provide education opportunities/programs which provide a convenient way for citizens to participate and be informed.

#### Programs/Events

Household Hazardous Waste

Tire-Clean up

Soils Conservation Days

BOPAE

Earth Day

American Recycles Days

Cherokee Lake Cleanups

Great American Cleanup

Hamblen County Hotline is provided for citizens to report incidents; and post signs in areas where illegal dumping may occur to encourage citizens to report incidents.

#### E) Summarize the public education, outreach, involvement and participation activities you completed during this reporting period:

#### F.) Summarize any specific successful outcome(s) fully or partially attributed to your public education and participation program during this reporting period.

**HAMBLÉN COUNTY STORMWATER DEPARTMENT**

**KEEP MORRISTOWN HAMBLÉN BEAUTIFUL**

**STORMWATER EDUCATION 2018-2019**

<b>Month</b>	<b>Event</b>	<b>Volunteers</b>	<b>Participants</b>
August 2018	KMHB-Music on the Green	3	300
September 2018	KMHB-Soils Conservation Field Days	8	856
	KMHB-Music on the Green	1	400
	KMHB-Lake Clean up	3	0
October 2018	JTEK & KMHB-BOPAE event	39	232
March 2019	KMHB-Home Show-College Square Mall (3 days)	3	Est. 10,000
	KMHB-HHW Event	13	303
April	KMHB-Tire Collection Event		
	KMHB-Music on the Green	1	150
May	KMHB-Music on the Green	2	20
	SW Department-Rain Barrel Display	3	Visitors
	SW Department-Display Board	1	Visitors
	SW Department-Brochures with residential bldg. permits	2	41
	SW Department-Brochure mailed to CHO businesses	1	56
	SW Department-Brochure mailed to pool owners	1	525

**Music on the Green** This event is held several times a year and provides an opportunity to connect with a variety of residence concerning stormwater (after the rain) recycling and encourage them to help Keep Hamblen County clean. Approximately 450 participants

**Soils Conservation Field Days (Freddy the Fish)** This event is targeted for the 4<sup>th</sup> Grade class and teachers. This story gives the kids a visual of what happens when different items (waste) are put in the water and encourages "role-play" along with the story as Freddy travels downstream and encounters pollution. 856 students

**JTEK- BOPAE Recycling Education Event**- This event was directed to the general public to encourage recycling of batteries, oil, paint, antifreeze and electronic waste) 232 households were represented.

**College Square Mall (3 day) Home Show**-Representative from KMBH handed out information concerning recycling and recycling pick-up schedules, after the storm brochures, and upcoming stormwater events. Approximately 10,000 participants

**Household Hazardous Waste Event**-This event provide an opportunity for all county residence to recycle several household cleaners, chemicals, automobile products, paint, etc. Several residences asked if the county could hold two events (summer and fall) so that items would not have to be stored for long periods of time at their home. Additional information of upcoming events was handed out to each participant with an encouragement to get involved to help Keep Hamblen County clean. 303 households were represented.

**Tire Collection Event**-This event allowed Hamblen County residents to bring used tires to the landfill , at no charge, which helps keep them out the lakes and streams.

**Rain Barrel Display**-This display is located at the entrance of the Hamblen County Courthouse along with educational material explaining the benefits of collecting rainwater and decreasing the amount of runoff that leaves their property.

**Stormwater Bulletin Board**- This display is located outside the Planning and Zoning office has provides an assortment of stormwater information and public notices.

**Building Permits**-Brochures are given with each residential building permit issued in Hamblen County. Brochures include Tn. Homeowner's Guide to clean water, Your Septic System and Stormwater Pollution solutions. 41 permits were issued

**Customary Home Occupation Permits**- The TN. Homeowner's Guide to Cleaner Water brochure was mailed to each business. 56 permits were issued.

## **8      Reviewing and Updating Stormwater Management Programs**

### **B.)      Assessment of program**

Stormwater webpage dedicated to our program

Mapping additional storm sewer collection systems and create a routine maintenance schedule

Implement a plan to detect, identify, and eliminate non-stormwater discharges