



# BLOUNT COUNTY GOVERNMENT

## STORMWATER DEPARTMENT

1221 McArthur Road  
Maryville, TN 37804  
Phone: 865-518-6904 Fax: 865-681-9502

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September 26, 2020

Ms. Valarie McFall  
TDEC  
Knoxville Environmental Field Office  
Division of Water Pollution Control  
3711 Middlebrook Pike  
Knoxville, TN 37921

**RE: MS4 Annual Report  
Blount County  
TNS075116**

Dear Ms. McFall:

Please find attached Blount County's Small Municipal Separate Storm Sewer System (MS4) Annual Report. The reporting period is from July 1, 2019 to June 30, 2020. Additionally, there are three attachments to the annual report.

Please don't hesitate to contact me if you have any questions or comments in regard to the submitted report. I may be reached at (865)518-6904 or by email at [jhatcher@blounttn.org](mailto:jhatcher@blounttn.org) if you may have any questions or comments.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. Hatcher", is written over a light blue horizontal line.

Jeff Hatcher  
Blount County Stormwater Program Manager



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: Blount County Government		MS4 Permit Number: TNS075116	
Contact Person: Jeff Hatcher		Email Address: <a href="mailto:jhatcher@blounttn.org">jhatcher@blounttn.org</a>	
Telephone: (865) 518-6904		MS4 Program Web Address: <a href="http://www.blounttn.org/305/Stormwater">http://www.blounttn.org/305/Stormwater</a>	
Mailing Address: 1221 McArthur Rd			
City: Maryville	State: TN	ZIP code: 37804	

What is the current population of your MS4? ~ 49,000

What is the reporting period for this annual report? July 1 2019 to June 30 2020

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: Urban runoff, sediment, pathogens, chemicals, and grease from restaurants.  Yes  No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: <http://www.blounttn.org/305/Stormwater>  Yes  No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Couny stormwater website, handouts/flyers, information available at public events and local newspaper when needed.

- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Participated with Keep Blount Beautiful and the Cities of Alcoa and Maryville to educate grade school children from local schools at a Waterfest event, participated in the program, participated with participate in the TNSA Social media program, provided educational materials at the County Operations Center and provided supplies for a stream clean up event.
- 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: Educated 851 school children and 51 adults via water quality education contracted by Keep Blount Beautiful.

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? 112
- 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: Blount County has created a Standard Operating Procedure for Illicit Discharge Detection and Elimination.  Yes  No
- F. How many illicit discharge related complaints were received this reporting period? 4
- G. How many illicit discharge investigations were performed this reporting period? 4
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 2

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

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

- 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? 15
- F. How many active priority and non-priority construction sites were inspected this reporting period? 8
- G. How many construction related complaints were received this reporting period? 1

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' or 60' from top of bank depending on drainage area.  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.)? Projects disturbing one acre or more within the unincorporated Urbanized Areas of the County.
- D. How many development and redevelopment project plans were reviewed for this reporting period? 6
- E. How many development and redevelopment project plans were approved? 6
- F. How many permanent stormwater related complaints were received this reporting period? 0
- G. How many enforcement actions were taken to address improper installation or maintenance? 0
- 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

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

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

*Note: Not all training completed  
Due to Covid 8/1*

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. Offering Hot spot training for businesses has had almost a zero percentage participation rate. Will work towards developing a more direct approach in the coming year.

Changes to the program as required by the division to satisfy permit requirements. none

Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. none

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. \_\_\_\_\_

Yes  No

9. 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. n/a  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>#1</u>	<u>#0</u>	<u>#2</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	<u>#0</u>	<u>#0</u>	<u>#0</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: _____	

- 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? silt

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. none
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. none
- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report.  Yes  No

11. Certification

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

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."*

*Jeff Headrick*  
 Printed Name and Title
 

*Highway Chief Administrative Officer*  
 Signature
 

9/29/20  
 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

# **Appendix A**

## **Section 2.A - 303(d) Streams**





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## STORMWATER DEPARTMENT

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 Maryville, TN 37804  
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### Small Municipal Separate Storm Sewer System (MS4) Annual Report

Blount County MS4

Annual Report: July 1, 2019 to June 30, 2020

### Section 2. A.: 303(d) Streams

Waterbody I.D. #	Cause/TMDL Priority	Approved TMDL		MS4 Assigned to WLA	
TN06010201026 – 0400 PISTOL CREEK	Loss of biological integrity due to siltation NA Escherichia coli NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201026 – 0410 SPRINGFIELD BRANCH	Nitrate+Nitrite /L Loss of biological integrity due to siltation /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201026 – 0420 BROWN CREEK	Alteration in stream-side or littoral vegetative cover /NA Nitrate+Nitrite M Loss of biological integrity due to siltation /NA Escherichia coli/ H	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201026 – 0421 DUNCAN BRANCH	Flow Alteration /NA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
TN06010201026 – 0430 CULTON CREEK	Loss of biological integrity due to siltation /NA Escherichia coli /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
TN06010201026 – 0431 LAUREL BANK BRANCH	Loss of biological integrity due to siltation /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201026 – 0500 RUSSELL BRANCH	PCBs /L Loss of biological integrity due to siltation /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201027 – 0300 ROCKY BRANCH	Habitat loss due to alteration in stream-side or littoral vegetative cover /NA Loss of biological integrity due to siltation /NA Escherichia coli /H	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201027_1000 Little River	Alteration in stream-side or littoral vegetative covers				

TN06010201028 – 0500 FLAG BRANCH	Habitat loss due to alteration in stream-side or littoral vegetative cover /NA Loss of biological integrity due to siltation /NA Escherichia coli/ H	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201028 – 1000 CROOKED CREEK	Escherichia coli /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201033 – 0200 PITNER CREEK	Escherichia coli /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201034 – 1000 NAILS CREEK	Escherichia coli /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010201983 – 1000 POLECAT CREEK	Alteration in stream-side or littoral vegetative cover /NA Loss of biological integrity due to siltation /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010204042_0100 Centenary Creek	Escherichia coli (e. coli) Alteration in stream-side or littoral vegetative covers Sedimentation/siltation				
TN06010204043 – 0200 BINFIELD BRANCH	Escherichia coli /NA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
TN06010204043 – 0400 LITTLE BAKER CREEK	Alteration in stream-side or littoral vegetative cover /NA Loss of biological integrity due to siltation /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
TN06010204043 – 2000 BAKER CREEK	Alteration in stream-side or littoral vegetative cover /NA Escherichia coli /NA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

# **Appendix B**

## **Section 2.B - TMDLs:**



# **BLOUNT COUNTY GOVERNMENT**

## **STORMWATER DEPARTMENT**

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

Blount County MS4

Annual Report: July 1, 2019 to June 30, 2020

#### **Section 2.B: TMDL's other than Pathogens, Siltation, and Habitat Alteration**

- 1.) Fort Loudoun Lake - TMDL for PCB's (3/3/2010)
- 2.) Little River – TMDL for PCB's (9/17/2009)
- 3.) Little Tennessee River – TMDL for E.coli (4/10/2006)

# **Appendix C**

## **Section 2.C – List of ETWs:**



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

Blount County MS4

Annual Report: July 1, 2019 to June 30, 2020

#### **Section 2.C: Exception Tennessee Waters**

- 1.) **Little River** (06010201) - from Tennessee River to headwaters including tributaries from river mile 33.0 to origin.
  
- 2.) **Pistol Creek** (06010201) – from Little River to mile 1.2.