



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: Montgomery County, TN		MS4 Permit Number: TNS075621
Contact Person: John H Doss		Email Address: jhdoss@mcgtn.net
Telephone: (931) 648-5718		MS4 Program Web Address: https://mcgtn.org/stormwater
Mailing Address: 350 Pageant Lane, Suite 309		
City: Clarksville	State: TN	ZIP code: 37040

What is the current population of your MS4? 56,943

What is the reporting period for this annual report? July 1 2021 to June 30 2022

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/)? If yes, attach a list. ☒ Yes ☐ No
- B. Are there established and approved TMDLs (<http://www.tn.gov/environment/article/wrws-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)? 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: Water quality buffers, increased construction site inspections and public education. ☒ 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: Sources targeted include home runoff, general business operations and construction operations. Specific pollutants include sediment, household hazardous waste, lawn and gardening chemicals. ☒ Yes ☐ No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: <https://mcgtn.org/stormwater> ☒ Yes ☐ No

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- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Announcements are posted in the public areas of all County offices. Notices for events that involve changes to the regulations are published in the notices section of the local news paper. Notices are placed on the County website public event calandars and County Facebook page, and are posted on the Stormwater webpage.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: The County sponsored a Tennessee EPSC Level I class and Level II class in the County Civic Hall. BiCounty Solid Waste Management held a Household Hazardous Waste Collection event which had a turnout of approximatly 150 attendees.
- 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: Successful outcomes relatable to the education and outreach program are difficult to determine because the program is limited in scope to the relatively small urbanized areas of the County and mainly consists of information promulgated on the stormwater program website.

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? 360
- 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: Outfalls are visually screened during routine area visits conducted for other purposes (complaint investigations, etc.) and as part of the mapping process. A third employee has been requested whose duties will include outfall inspections for IDDE releases. There is also information for County citizens to report IDDE incidences on the County Stormwater webpage. ☒ Yes ☐ No
- F. How many illicit discharge related complaints were received this reporting period? 2
- G. How many illicit discharge investigations were performed this reporting period? 2
- 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

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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? 66

F. How many active priority and non-priority construction sites were inspected this reporting period? 66

G. How many construction related complaints were received this reporting period? 87

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: Drainage areas of less than one square mile are required to have a 30 foot buffer. Drainage areas of one square mile and greater must have a 60 ft buffer. Other buffer requirements can be found under the "Regulations, Policies and Forms" section of the Stormwater web site (<https://mcgtn.org/stormwater>). ☒ 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 disturbing one acre or more are subject to review.

D. How many development and redevelopment project plans were reviewed for this reporting period? 32

E. How many development and redevelopment project plans were approved? 32

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:

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- | | | |
|---|---|--|
| Streets, roads, highways? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Municipal parking lots? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Maintenance and storage yards? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Fleet or maintenance shops with outdoor storage areas? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Salt and storage locations? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Snow disposal areas? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Waste disposal, storage, and transfer stations? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> 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? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| | | |
| If yes, are new applicable employees trained within six months, and existing applicable employees trained and/or retrained within the permit term? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> 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
- Changes to the program as required by the division to satisfy permit requirements. Montgomery County MS4 was audited by TDEC in March 2022. While no changes are currently being made, there are changes that will be included on the next Annual Report.
- 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. Montgomery County MS4 was audited by TDEC in March 2022. The assessment can be seen in the official audit findings available on the TDEC Permit DataViewer. The assessment found that while the program is generally compliant, there are improvements that will be made and reported on the next Annual Report. These program alterations will bring the County into better alignment with the Small MS4 Permit that becomes effective on September 1, 2022

☒ 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. _____ ☒ 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	#0	#3	#0	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	#87	#1	#2	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Citations with administrative penalties	#3	#0	#0	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop work orders	#3	#0	#0	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Withholding of plan approvals or other authorizations	#4	#0	#0	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Additional Measures	#N/A	#N/A	#N/A	Describe: N/A	

- 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?
Sediment leaving a construction site.

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. Montgomery County sponsored a Tennessee Erosion Prevention and Sediment Control Level I class and a Level II Recertification class during this reporting period. These classes resulted in the training of 64 construction professionals in Level I and 57 design professionals in Level II.
- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report. ☐ Yes ☒ No

11. Certification

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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."

County Mayor Jim Durrett

Printed Name and Title


Signature

8/22/22

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

Montgomery County Waters With Unavailable Parameters (2022)			
HUC	Name	Unavailable Parameter	Source
TN05130206039_0110	Unnamed Tributary to Spring Cr 5.38	Phosphorus, Total	Crop Production (non-Irrigated)
		Alteration In Stream-Side Or Littoral Vegetative Covers	Crop Production (non-Irrigated)
TN05130206039_0150	Spring Creek 13.48	Sedimentation	Crop Production (non-Irrigated)
		Sedimentation/Siltation	Sources Outside State Jurisdiction Or Borders
		Sedimentation/Siltation	Site Clearance (land Development or Redevelopment)
		Alteration In Stream-Side Or Littoral Vegetative Covers	Crop Production (non-Irrigated)
		Phosphorus, Total	Sources Outside State Jurisdiction Or Borders
		Nitrate/Nitrite (Nitrite + Nitrate as N)	Sources Outside State Jurisdiction Or Borders
TN05130206039_0100	Spring Creek 8.90	Phosphorus, Total	Crop Production (non-Irrigated)
		Sedimentation	Crop Production (non-Irrigated)
		Nitrate/Nitrite (Nitrite + Nitrate as N)	Crop Production (non-Irrigated)
		Nitrate/Nitrite (Nitrite + Nitrate as N)	Municipal (Urbanized high density area)
		Phosphorus, Total	Municipal (Urbanized high density area)
		Sedimentation	Municipal (Urbanized high density area)
TN05130206002_2000	Red River 22.90	Nitrate	Grazing in Riparian or Shoreline Zones
		Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones
TN05130205038_1000	Big McAdoo Creek	Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones
		Sedimentation	Grazing in Riparian or Shoreline Zones
		Sedimentation	Site Clearance (land Development or Redevelopment)
TN05130205024_0700	Louise Creek 22.40	Sedimentation	Grazing in Riparian or Shoreline Zones
		Alteration In Stream-Side Or Littoral Vegetative Covers	Grazing in Riparian or Shoreline Zones
TN05130205020_1000	East Fork 5.50	ESCHERICHIA COLI (E. COLI)	Grazing in Riparian or Shoreline Zones
TN05130205110_0300	Bartee Branch 5.71	Flow Regime Modification	Dam or Impoundment
		Dissolved Oxygen	Dam or Impoundment
Montgomery County TMDLs			
5130206	Red River Watershed	ESCHERICHIA COLI (E. COLI)	