



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: TNSO75621
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? 46,977

What is the reporting period for this annual report? July1 2018 to June 30 2019

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/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)? 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, design and construction professional continuing education, increased EPSC 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, restaurants, auto recyclers, 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 calendars and are posted on the Stormwater webpage.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: EPSC classes, educational material distribution
- 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: Citizen involvement through Home Owner Association meetings and the Clarksville Montgomery County Green Certification Program. Other successful outcomes relating 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? 359
- 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. 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
 - 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

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- 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? 62
- 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? 505

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 1 square mile have a 30 foot buffer; all other drainages have a 60 foot buffer requirement. 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.)? 1 Acre or more of disturbed area
- D. How many development and redevelopment project plans were reviewed for this reporting period? 34
- E. How many development and redevelopment project plans were approved? 33
- F. How many permanent stormwater related complaints were received this reporting period? 10
- 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

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- 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. 2
- Changes to the program as required by the division to satisfy permit requirements. No
- Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. N/A
- 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. The Stormwater Regulations and current Policies and Procedures were reviewed in depth as part of the Montgomery County, TN NPDES Notice of Intent submission to the State in 2016. A cursory review was conducted in the preparation of this report. Our assessments are based on education class attendance, public meeting attendance and educational material distributed. 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	# <u>0</u>	# <u>0</u>	# <u>1</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	# <u>505</u>	# <u>10</u>	# <u>2</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Citations with administrative penalties	# <u>23</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop work orders	# <u>5</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	# _____	# _____	# _____	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?
Mud and gravel in the roads and trash around the worksites

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. Biological and Bacteriological sampling was conducted (report attached)

B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. No monitoring has been conducted due to resource restraints

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."

Honorable Jim Durrett,
County Mayor
Printed Name and Title


Signature

9/5/19
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



BUILDING AND CODES DEPARTMENT

Phone
931-648-5718

350 Pageant Lane Suite 309
Clarksville, TN 37040

Fax
931-553-5121

Montgomery County TN 2019 Annual Report Notes

Section 4. A. Mapping is done as time and personnel resources allow. The process also depends on “as-built” plans submitted by development engineers. The mapping program is conducted by the Austin Peay State University GIS Department.

Outfalls are visually screened during routine area visits conducted for other purpose (complaint investigations, etc.)

Section 6. H. There are no public Stormwater Control Measures within the Montgomery County jurisdiction. The Stormwater Maintenance Agreement required by Sections 5 and 6 of the Montgomery County Stormwater Regulations (Resolution 13-2-2) obligates SCM landowners to inspect and maintain all SCMs and conveyance structures.

Section 7.B. Not all departments have had the Good Housekeeping training this permit cycle. This is an ongoing process and will continue throughout the permit cycle.

2019 Montgomery County, TN MS4 Annual Report
Streams with Unavailable Parameters

ID305B	WATER_NAME	WATER_SIZE	CAUSE_NAME	SOURCE_NAME
TN05130205015_1000	Barkley Reservoir	20459	Temperature, water	Industrial Thermal Discharges
TN05130205110_0300	Bartee Branch	5.71	Low flow alterations	Upstream Impoundments (e.g., PI-566 NRCS Structures)
TN05130205110_0300	Bartee Branch	5.71	Oxygen, Dissolved	Upstream Impoundments (e.g., PI-566 NRCS Structures)
TN05130205038_1000	Big McAdoo Creek	13.1	Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
TN05130205038_1000	Big McAdoo Creek	13.1	Sedimentation/Siltation	Site Clearance (Land Development or Redevelopment)
TN05130205038_1000	Big McAdoo Creek	13.1	Nutrient/Eutrophication Biological Indicators	Grazing in Riparian or Shoreline Zones
TN05130205038_1000	Big McAdoo Creek	13.1	Nutrient/Eutrophication Biological Indicators	Site Clearance (Land Development or Redevelopment)
TN05130205038_1000	Big McAdoo Creek	13.1	Escherichia coli	Grazing in Riparian or Shoreline Zones
TN05130205020_1000	East Fork (Yellow Creek)	5.5	Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
TN05130205020_1000	East Fork (Yellow Creek)	5.5	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
TN05130205020_1000	East Fork (Yellow Creek)	5.5	Escherichia coli	Grazing in Riparian or Shoreline Zones
TN05130205024_0700	Louise Creek	22.4	Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones
TN05130205024_0700	Louise Creek	22.4	Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones
TN05130206002_1000	Red River	2.4	Nutrient/Eutrophication Biological Indicators	Sanitary Sewer Overflows (Collection System Failures)
TN05130206002_1000	Red River	2.4	Other anthropogenic substrate alterations	Site Clearance (Land Development or Redevelopment)
TN05130206002_1000	Red River	2.4	Sedimentation/Siltation	Site Clearance (Land Development or Redevelopment)
TN05130206002_1000	Red River	2.4	Sedimentation/Siltation	Non-irrigated Crop Production
TN05130206002_1000	Red River	2.4	Escherichia coli	Sanitary Sewer Overflows (Collection System Failures)
TN05130206002_2000	Red River	22.9	Nitrates	Grazing in Riparian or Shoreline Zones
TN05130206002_2000	Red River	22.9	Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones
TN05130206002_3000	Red River	17.5	Nitrates	Non-irrigated Crop Production
TN05130206002_1000	Red River	2.4	Nutrient/Eutrophication Biological Indicators	Sanitary Sewer Overflows (Collection System Failures)

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Streams with Unavailable Parameters

TN05130206002_1000	Red River		2.4	Other anthropogenic substrate alterations	Site Clearance (Land Development or Redevelopment)
TN05130206002_1000	Red River		2.4	Sedimentation/Siltation	Site Clearance (Land Development or Redevelopment)
TN05130206002_1000	Red River		2.4	Sedimentation/Siltation	Non-irrigated Crop Production
TN05130206002_1000	Red River		2.4	Escherichia coli	Sanitary Sewer Overflows (Collection System Failures)
TN05130206002_2000	Red River		22.9	Nitrates	Grazing in Riparian or Shoreline Zones
TN05130206002_2000	Red River		22.9	Nitrate/Nitrite (Nitrite + Nitrate as N)	Grazing in Riparian or Shoreline Zones
TN05130206002_3000	Red River		17.5	Nitrates	Non-irrigated Crop Production
TN05130206039_0100	Spring Creek		8.9	Nitrate/Nitrite (Nitrite + Nitrate as N)	Discharges from Municipal Separate Storm Sewer Systems (MS4)
TN05130206039_0100	Spring Creek		8.9	Nitrate/Nitrite (Nitrite + Nitrate as N)	Non-irrigated Crop Production
TN05130206039_0100	Spring Creek		8.9	Phosphorus (Total)	Discharges from Municipal Separate Storm Sewer Systems (MS4)
TN05130206039_0100	Spring Creek		8.9	Phosphorus (Total)	Non-irrigated Crop Production
TN05130206039_0100	Spring Creek		8.9	Sedimentation/Siltation	Discharges from Municipal Separate Storm Sewer Systems (MS4)
TN05130206039_0100	Spring Creek		8.9	Sedimentation/Siltation	Non-irrigated Crop Production
TN05130206039_0150	Spring Creek		13.48	Sedimentation/Siltation	Non-irrigated Crop Production
TN05130206039_0150	Spring Creek		13.48	Sedimentation/Siltation	Site Clearance (Land Development or Redevelopment)
TN05130206039_0150	Spring Creek		13.48	Sedimentation/Siltation	Sources Outside State Jurisdiction or Borders
TN05130206039_0150	Spring Creek		13.48	Nitrate/Nitrite (Nitrite + Nitrate as N)	Sources Outside State Jurisdiction or Borders
TN05130206039_0150	Spring Creek		13.48	Phosphorus (Total)	Sources Outside State Jurisdiction or Borders
TN05130206039_0150	Spring Creek		13.48	Alteration in stream-side or littoral vegetative covers	Non-irrigated Crop Production
TN05130206039_0100	Spring Creek		8.9	Nitrate/Nitrite (Nitrite + Nitrate as N)	Discharges from Municipal Separate Storm Sewer Systems (MS4)
TN05130206039_0100	Spring Creek		8.9	Nitrate/Nitrite (Nitrite + Nitrate as N)	Non-irrigated Crop Production
TN05130206039_0100	Spring Creek		8.9	Phosphorus (Total)	Discharges from Municipal Separate Storm Sewer Systems (MS4)
TN05130206039_0100	Spring Creek		8.9	Phosphorus (Total)	Non-irrigated Crop Production

2019 Montgomery County, TN MS4 Annual Report
Streams with Unavailable Parameters

TN05130206039_0100	Spring Creek	8.9	Sedimentation/Siltation	Discharges from Municipal Separate Storm Sewer Systems (MS4)
TN05130206039_0100	Spring Creek	8.9	Sedimentation/Siltation	Non-irrigated Crop Production
TN05130206039_0150	Spring Creek	13.48	Sedimentation/Siltation	Non-irrigated Crop Production
TN05130206039_0150	Spring Creek	13.48	Sedimentation/Siltation	Site Clearance (Land Development or Redevelopment)
TN05130206039_0150	Spring Creek	13.48	Sedimentation/Siltation	Sources Outside State Jurisdiction or Borders
TN05130206039_0150	Spring Creek	13.48	Nitrate/Nitrite (Nitrite + Nitrate as N)	Sources Outside State Jurisdiction or Borders
TN05130206039_0150	Spring Creek	13.48	Phosphorus (Total)	Sources Outside State Jurisdiction or Borders
TN05130206039_0150	Spring Creek	13.48	Alteration in stream-side or littoral vegetative covers	Non-irrigated Crop Production
TN05130206039_0110	Unnamed Trib to Spring Creek	5.38	Alteration in stream-side or littoral vegetative covers	Non-irrigated Crop Production
TN05130206039_0110	Unnamed Trib to Spring Creek	5.38	Phosphorus (Total)	Non-irrigated Crop Production
TN05130206039_0110	Unnamed Trib to Spring Creek	5.38	Alteration in stream-side or littoral vegetative covers	Non-irrigated Crop Production
TN05130206039_0110	Unnamed Trib to Spring Creek	5.38	Phosphorus (Total)	Non-irrigated Crop Production
TN05130205015T_1100	Wall Branch	4.8	Sedimentation/Siltation	Off-road Vehicles
TN05130205015T_1100	Wall Branch	4.8	Sedimentation/Siltation	Discharges from Municipal Separate Storm Sewer Systems (MS4)
TN05130205015T_1100	Wall Branch	4.8	Nitrate/Nitrite (Nitrite + Nitrate as N)	Discharges from Municipal Separate Storm Sewer Systems (MS4)