



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: City of McMinnville		MS4 Permit Number: TNS077623
Contact Person: Nolan Ming		Email Address: nming@mcminnvilletn.gov
Telephone: (931) 473-1204		MS4 Program Web Address: http://www.mcminnvilletn.gov/departments/planning_and_zoning/stormwater.php
Mailing Address: 101 East Main Street P.O. Box 7088		
City: McMinnville	State: TN	ZIP code: 37110

What is the current population of your MS4? 13,761

What is the reporting period for this annual report? July 1 2017 to June 30 2018

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: _____. 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: http://www.mcminnvilletenn.com/departments/planning_and_zoning/stormwater.php Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: The City of McMinnville advertises and publicizes through the following methods: stormwater website, social media, and handouts at various events that includes information on the City's stormwater program.

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

- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Educational information was handed out at several community events, held a informational meeting with contractors and developers.
- 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: Increased traffic to our city website, increased number of questions from the public related to stormwater practices.

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? Unknown at this time. The creation of an outfall map has begun and will be completed through the life of the permit. It is anticipated that approximately 25% of the outfalls will be screened over the next four years.
- 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: See Attached Yes No
- F. How many illicit discharge related complaints were received this reporting period? 0
- G. How many illicit discharge investigations were performed this reporting period? 0
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 0

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? 2
- F. How many active priority and non-priority construction sites were inspected this reporting period? 30
- G. How many construction related complaints were received this reporting period? 5

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: The City's Stormwater Ordinance Section 16-706 (2) (c) specifies all permanent riparian buffer requirements. Buffers shall be applied to all water resources located in, or adjacent to any activity that requires a Land Disturbance Permit. Buffer width depends on the side of the drainage area. Buffer areas can be 30 ft to 60 ft depending on if the receiving water is impaired. 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 new or redevelopment projects, regardless of disturbance.
- 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? 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

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

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

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. _____

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
Have contracted with a consultant to help with the Stormwater Program. Held two meetings with the consultant during the report period.

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

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	#7	#_____	#_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	#_____	#_____	#_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Citations with administrative penalties	#_____	#_____	#_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Stop work orders	#_____	#_____	#_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Withholding of plan approvals or other authorizations	#_____	#_____	#_____	<input 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?
Construction without a permit.

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

Benjamin R. Newman, Mayor
 Printed Name and Title

[Handwritten Signature]
 Signature

9/25/18
 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

Section 2.A. - List of Waters with Unavailable Parameters in Jurisdiction Based on TDEC Viewer as of August 2018

Waterbody Name	Waterbody I.D. #	Cause(s)	Source Name(s)
Oakland Branch	TN05130107006_0700	Low flow alterations	Upstream Impoundments (e.g., PI-566 NRCS Structures)
		Sedimentation/Siltation	Discharges from Municipal Separate Storm Sewer Systems (MS4)
		Alteration in stream-side or littoral vegetative covers	Site Clearance (Land Development or Redevelopment)

Section 2.B. TMDLs with Waste Load Allocations for MS4 Discharges

TMDL/Allocations

Storm Water Related Discharges:

Subwatershed	Level IV Ecoregion	Target Sediment Load	% Reduction – Avg. Annual Sediment Load		
			TMDL	WLAs (Construction SW & MS4s)	LAs (Nonpoint Sources)
			[lbs/ac/yr]	[%]	[%]
0106	68a	128.7	34.4	34.4	34.4
0202	71g	356.9	40.3	40.3	40.3
0203	71g	356.9	39.8	39.8	39.8
0204	71g	356.9	65.6	65.6	65.6
0402	71g	356.9	57.4	57.4	57.4
0403	71g	356.9	47.2	47.2	47.2

City of McMinnville, TN
Municipal Separate Storm Sewer System (MS4) Annual Report
Report Attachments

Section 2.C. - List of Exceptional Tennessee Waters (ETWs) to which the MS4 discharges

Waterbody Name	Waterbody Description	HUC	Reason for Inclusion
Hickory Creek	From Barren Fork River to unnamed tributary near headwaters (d/s Marvin Chapel Rd.)	05130107	Federal endangered Cumberland Pigtoe and state endangered Barrens Topminnow and Barrens Darter.
Collins River including unnamed tributaries in Savage Gulf State Natural Area	Mainstream river from confluence with Caney Fork River to Savage Gulf SNA boundary near headwaters. Includes unnamed tributaries within Savage Gulf State Natural Area.	05130107	Federal endangered Little-wing Pearlymussel, Jewel (Bluemask) Darter, and Cumberland Pigtoe. State endangered Cumberland Elktoe. State threatened Tennessee Cave Salamander and Shining Ladies'-Tresses. Portions within South Cumberland SP, Rock Island SP and Savage Gulf SNA. Portion designated state scenic river.
Barren Fork	From Garner Branch to Witty Creek	05130107	Federal endangered Cumberland Pigtoe.

Section 3.B. Summary of Public Education Targeting Specific Pollutants

Our Landscaping, Gardening & Pest Control brochure targets soils, yard wastes, over watering, and garden chemicals such as fertilizers, pesticides and herbicides; with information on keeping the pollutants out of our water bodies, with alternatives to common chemicals and with proper disposal procedures for these pollutants. This brochure is targeted to homeowners, gardeners, landscapers and pest control companies.

Our Food Service Industry brochure targets oil, grease, trash and cleaning chemicals; with information on minimizing wastes, recycling wastes, oil/water separators, and employee education. This brochure is targeted to restaurants, grocery/convenience stores, bakeries, food producers and distributors.

Our Automotive Maintenance & Car Care brochure targets oil, grease, antifreeze, asbestos, zinc, and organic compounds and metals from spilled fuels; with information on non-toxic cleaning products, spill response, automotive fluid disposition, vehicle washing practices, recycling of wastes, vehicle fueling practices and employee education. This brochure is targeted to gas stations, auto repair shops, auto body shops, car dealerships, fleet managers & fleet washing businesses.

Our Heavy Equipment & Earth Moving Activities brochure targets erosion and sediment control, cleaning solvents, cement washout, asphalt and vehicle fluid leaks and spills, with information on general business practices, spill response, vehicle and equipment maintenance and erosion and sediment control. This brochure is targeted to site supervisors, earth moving equipment operators, dump truck drivers, general contractors, home builders and developers.

Our Detention Pond Maintenance brochure targets commercial, industrial and residential detention pond owners with information on proper maintenance of detention ponds and sand filters.

Our Home Repair & Remodeling brochure targets hazardous waste disposal, concrete and masonry wastes, oils & grease disposal, painting wastes, landscaping & gardening wastes and chemicals and erosion control; with information on proper disposal and work practices to minimize pollutants from these activities. This brochure is targeted to homeowners, do it yourselfers, and contractors for home repair and remodeling.

Our Swimming Pool Guidance is targeted to pool owners and pool maintenance companies to inform them of the proper disposal of chlorinated and non-chlorinated pool disinfectant disposal.

Our Storm Drains Are for Rain brochure is targeted to the general public and inform people about the need to keep yard wastes, fertilizers, pesticides, herbicides, fungicides, insecticides, litter, automobile fluids and animal wastes out of our stormwater.

Section 4.E. Plan to detect, identify and eliminate non-stormwater discharges

Change 4, June 13, 2006

16-39

(2) Prohibition of illicit discharges. No person shall introduce or cause to be introduced into the municipal separate storm sewer system any discharge that is not composed entirely of stormwater. The commencement, conduct or continuance of any non-stormwater discharge to the municipal separate storm sewer system is prohibited except as described as follows:

- (a) Uncontaminated discharges from the following sources:
 - (i) Water line flushing or other potable water sources,
 - (ii) Landscape irrigation or lawn watering with potable water,
 - (iii) Diverted stream flows,
 - (iv) Rising ground water,
 - (v) Groundwater infiltration to storm drains,
 - (vi) Pumped groundwater,
 - (vii) Foundation or footing drains,
 - (viii) Crawl space pumps,
 - (ix) Air conditioning condensation,
 - (x) Springs,
 - (xi) Non-commercial washing of vehicles,
 - (xii) Natural riparian habitat or wet-land flows,
 - (xiii) Swimming pools (if dechlorinated - typically less than one PPM chlorine),
 - (xiv) Fire fighting activities, and
 - (xv) Any other uncontaminated water source.

(b) Discharges specified in writing by the codes enforcement office as being necessary to protect public health and safety.

(c) Dye testing is an allowable discharge if the codes enforcement office has so specified in writing.

(3) Prohibition of illicit connections. (a) The construction, use, maintenance or continued existence of illicit connections to the separate municipal storm sewer system is prohibited.

(b) This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.

(4) Reduction of stormwater pollutants by the use of best management practices. Any person responsible for a property or premises, which is, or may be, the source of an illicit discharge, may be required to implement, at the person's expense, the BMPs necessary to prevent the further discharge of pollutants to the municipal separate storm sewer system. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of stormwater associated with industrial activity, to the extent practicable, shall be deemed compliance with the provisions of this section.

(5) Notification of spills. Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for

Change 4, June 13, 2006

16-40

emergency response for a facility or operation has information of any known or suspected release of materials which are resulting in, or may result in, illicit discharges or pollutants discharging into stormwater, the municipal separate storm sewer system, the person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials the person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, the person shall notify the codes enforcement office in person or by telephone or facsimile no later than the next business day. Notifications in person or by telephone shall be confirmed by written notice addressed and mailed to the codes enforcement office within three (3) business days of the telephone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least ten (10) years. (as added by Ord. #1477, Jan. 2005, and replaced by Ord. #1496, July 2005)

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Section 4.E. Plan to detect, identify and eliminate non-stormwater discharges

Change 4, June 13, 2006

16-39

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