



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 Gallatin		MS4 Permit Number: TNS077534
Contact Person: Jennifer Watson		Email Address: Jennifer.Watson@gallatintn.gov
Telephone: (615) 451-5965		MS4 Program Web Address: https://www.gallatintn.gov/232/Storm-Water
Mailing Address: 132 West Main Street, Room 204		
City: Gallatin	State: TN	ZIP code: 37066

What is the current population of your MS4? 35,734 (2016)

What is the reporting period for this annual report? July1 2016 to June 30 2017

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: _____ 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: Nonpoint source pollution (particularly litter) from urbanized and municipal areas; sediment discharge from construction activity; pathogens and household pollutants from illicit discharges; pollutants from municipal operations; nutrients from landscaping and homes; and habitat alteration on stream banks due to riparian buffer disturbance . Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: <https://www.gallatintn.gov/232/Storm-Water> Yes No

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- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: The City of Gallatin advertises and publicizes our public education, outreach, involvement and participation through various means including through our website, press releases, social media, emails, and targeted communication to certain groups.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: The City of Gallatin provided a multitude of education, outreach, involvement and participation activities for the public, city employees, school age groups, scouts, teachers, stormwater professionals, citizens, the professional community, council members, and colleagues including: a stream cleanup day, a tree planting day, a neighborhood cleanup day, a stream field day, an environmental education day at a summer camp, a municipal housekeeping training, an elementary school career day and a high school career day, monthly Middle Tennessee Stormwater meetings, presentations to civic groups, presentations to City Council, and the drafting and dissemination of a quarterly stormwater newsletter.
- 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: During this reporting year, we cleaned up 4,300 lbs of trash, planted 600 trees, coordinated over 200 volunteers to help with cleanups and/or tree plantings, disseminated the TNSA Times Newsletter during 3 quarters to over 800 people each time, spoke to over 300 students at Vena Stuart Elementary, Portland High School, and the Shalom Zone Summer Camp, and trained our public works staff on pollution prevention. We presented on clean water and stormwater quality and quantity to @ 100 citizens and business owners in various civic groups (Rotary Club, Lions Club, and Sertoma Club) and presented to City Council on 3 occasions. Held monthly Middle Tennessee Stormwater Group meetings in Gallatin with all Sumner and Wilson County MS4s and consultants and vendors to discuss local stormwater issues and solutions, along with permit considerations.

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? 45
- 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: Per 5-year permit cycle: A full reconnaissance of the storm sewer system and potential illicit discharges are conducted every 5 years through a visual stream assessment. We also encourage citizens to call or email us with complaints. 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
- 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? 78
- F. How many active priority and non-priority construction sites were inspected this reporting period? Each site was inspected at least once monthly and after each significant rainfall event and/or after complaints or deficiencies were found: 1,029 inspections
- G. How many construction related complaints were received this reporting period? 28

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: A permanent water quality buffer zone (setback measured from the top of water body bank) shall be required along all wetlands, streams, and sinkholes as defined in this ordinance, for new development and redevelopment projects as outlined below:

(a) Drainage areas less than 1 square mile: Minimum of 30' width

(b) Drainage areas greater than 1 square mile: Minimum of 60' width. The 60' width can be established on an average width basis at a project, as long as the minimum width of the buffer zone is more than 30' at any measured location

(c) For redevelopment projects that have existing encroachments into the prescribed buffer, the portion of the existing encroachment that contains a footprint within the buffer is exempt, if no modification to the existing use of the encroachment is to occur and does not violate the objectives of Article 4 (2). If modification to the existing use of the encroachment is to occur, buffer widths outlined above shall apply.

Yes

No

(d) If existing encroachment is to remain in use, the encroachment amount shall be factored into the average buffer width in determining the buffer width.

(e) Work within the Water Quality Buffer is allowable for the following types of work:

(i) Work covered and approved by an ARAP or CGP permit approved by TDEC.

(ii) Construction/maintenance of greenways and parks.

(f) Any alternative stormwater management measure requested in lieu of the water quality buffer requirements shall be presented to the Gallatin Stormwater Design Appeals Board as outlined in Article 4 (3) for their decision

- C. What is the threshold for development and redevelopment project plans plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? Any project that requires Planning Commission approval, and/or requires a TDEC CGP NOC or ARAP and/or is adjacent to a stream with unavailable parameters, and/or is a risk to water quality or public health or environment, and/or there are violations of sediment and erosion control rules or sediment discharges.
- D. How many development and redevelopment project plans were reviewed for this reporting period? 75
- E. How many development and redevelopment project plans were approved? 75
- 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. The City's Ordinance allows for this option but it has not yet been implemented: Runoff Reduction Performance Criteria Alternative Options For projects that cannot meet 100% of the runoff reduction requirement, unless subject to the incentive standards, alternative stormwater management measures shall be obtained as outlined in Article 4. For consideration of alternative, the following options are available: (a) The remainder of the stipulated amount of rainfall must be treated prior to discharge with a technology documented to remove 80% total suspended solids (TSS). The treatment technology must be designed, installed and maintained to continue to meet this performance standard. (b) The Runoff reduction measures are installed off-site within the same USGS 12-digit hydrologic unit code (HUC) as the original project. Off-site mitigation must be a minimum of 1.5 times the amount of water not managed on site. The off-site mitigation location and runoff reduction measures must be approved by the Engineering Division. The mitigation location shall be in a priority area identified by the Engineering Division. Mitigation can be used for retrofit or redevelopment projects, but should be avoided in areas of new development. (c) For projects that cannot meet the 100% runoff reduction, 80% TSS, and cannot provide for off-site mitigation, the applicant can make payment into the City's Stormwater Management Fund. Payment must be a minimum of 1.5 times the estimated cost of on-site runoff reduction controls as estimated by the Engineering Division
- 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? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Municipal parking lots? | <input type="checkbox"/> Yes | <input checked="" 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 checked="" type="checkbox"/> Yes | <input 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?
- 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:

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Modifications or replacement of an ineffective activity/control measure. Not this reporting cycle. This is the first reporting period (6 months) under the new NOI

Changes to the program as required by the division to satisfy permit requirements. N/A

Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. No

- 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. Our future goals include improvements to the stormwater management program include the following: 1. improving documentation and tracking on all measurable goals. The City is acquiring a new software (EnerGov) that should aid us with this task; 2. Update the following: the Public Information and Education (PIE) Plan; the Enforcement Response Plan (ERP); and all SWPPPs for our municipal facilities; 3. Implement a Stormwater Utility (fee) and update the City's Stormwater Ordinance; 4. After the fee is implemented, develop and begin to implement a plan to conduct a more thorough and detailed stormwater system assessment (locating and marking all outfalls, catch basins, detention basins, all stormwater BMPs, direction of flow and incorporate existing and new information into EnerGov.

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>102</u>	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Written notices	# <u>21</u>	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Citations with administrative penalties	# <u>0</u>	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Stop work orders	# <u>0</u>	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Withholding of plan approvals or other authorizations	# <u>1</u>	# _____	# _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Additional Measures	# <u>5</u>	# <u>1</u>	# _____	Describe: <u>4 written notices required corrective action plan to be submitted; one written notice required submittal of engineering plans to address the increased volume and velocity of water eroding the back of the subdivision and stream bank (permanent stormwater issue); one written notice required payment of a damages assessment.</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? The most common type of non-compliance during this reporting period was inadequate EPSC maintenance.

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. Requirement is once per permit cycle.- has not ben done this cycle yet.
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. Requirement is once per permit cycle. - has not ben done this cycle yet.
- 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."

Printed Name and Title

Signature

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