



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: Washington County, Tennessee		MS4 Permit Number: TNS075787
Contact Person: Angie Charles, AICP		Email Address: acharles@washingtoncountyttn.org
Telephone: (423) 753-1852		MS4 Program Web Address: www.washingtoncountyttn.org
Mailing Address: P.O. Box 417		
City: Jonesborough	State: TN	ZIP code: 37659

What is the current population of your MS4? 63,350 per 2016 Census Population Estimate for unincorporated areas.

What is the reporting period for this annual report? July1 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/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: Siltation, Household Hazardous Waste, Petroleum Products Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: http://www.wctndevelopmentservices.org/stormwater Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: All County Commission and Planning Commission meetings involving regulations changes, public projects, and plan approvals are advertised in the local newspaper of general circulation and posted at the County's website to inform the public. The Zoning Office also utilizes a bulletin board, located in their lobby, to display educational materials and involvement/participation opportunities.

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- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Staff reviewed the existing plan to provide pollution reduction education for the residents and businesses including Hot Spots, within Washington County's unincorporated areas to educate them on the impact of their daily activities on the quality of our waterbodies. County staff continued to distribute brochures to public locations such as front offices, public libraries and digitally distributed to the schools for inclusion in handouts for all school age children. Staff has also incorporated stormwater management points into the Box City exercise conducted in Elementary Schools. The Zoning Office participated in the Johnson City Area Home Builders Home and Outdoor Show, distributing Tennessee specific education brochures to promote stormwater awareness by distributing to citizens, contractors and teachers related to water quality and outreach. While at the show, staff fielded many questions related to Stormwater Management. Washington County has become an active member of the Johnson City Home Builders Association in an attempt to improve communication with local builders and the public by participation in events and outreach opportunities.
- 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: The Sherrif's Department, again, increased the scope of litter collection. Additionally, the County sponsors the Boone Lake Partnerships yearly lake cleanup event, which continues to grow. The kids coloring corner is still located in the lobby of the Zoning Office, with an additional expanded area that includes informational handouts and brochures. We experienced increased citizen involvement in stormwater discussions.

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? 88
- 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: The process has multiple ways detection, identification and elimination of non-stormwater discharges. If there is an illegal disposal through dumping, citizens can contact the Sheriff's Department Litter Hot Line and an investigation will be opened into the matter and the Dirty Street Fighters will be dispatched to remove the illegal dumping activity. During Dry Weather Screening, staff detects, identifies and works with property owners to eliminate non-stormwater discharges. Finally, we have a complaint hotline that if anyone suspects a pipe is discharging illegally, staff will begin its investigative procedures in relation to the location. 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? 2, These site inspections were initiated by staff. After investigating though, it was determined that no illicit discharge occurred. As a courtesy, staff provided Hot Spot Activity information to the owners for precautionary measures.

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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? 59
- F. How many active priority and non-priority construction sites were inspected this reporting period? 61
- G. How many construction related complaints were received this reporting period? 9

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: Based on drainage area, For drainage areas less than 1 square mile, the buffer is 30 feet. For drainage areas 1 square mile or more, the buffer is a 60 foot average with a 30 foot minimum width. To use the 60-foot average, 30-foot minimum method, it must be shown that the straight 60-foot width would be a hardship to developing the property and may not be based solely on the difficulty or the cost of implementation.(Per section 516.4.3 of Resolution 12-08-08A-1) 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 are reviewed that equal or exceed one acre of disturbance.
- D. How many development and redevelopment project plans were reviewed for this reporting period? 27

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- E. How many development and redevelopment project plans were approved? 27
- 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? 0, the one complaint received was determined to be caused by natural drainage patterns.
- 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
 - 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. 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. The Zoning Office has increased Public Outreach. Also, our Building Inspectors are educating and advising contractors and their sub-contractors on proper Erosion Prevention and Sedimentation Control mangement and installation on single-family home construction sites. 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>39</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	# <u>2</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: <u>Environmental Court</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? 1) Mud in road, 2)No silt fence or damaged silt fence, 3) lack of or inadequate construction entrance

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. At the end of this report cycle, Washington County, Tennessee has once again obtained the services of East Tennessee State University's Department of Environmental Health to perform E. Coli Concentration screening, Benthic Macroinvertebrate Report, Nitrates/Nitrites Concentrations in Specific Streams in the Watauga River Watershed of Washington County, Tennessee. ETSU has begun the sampling and monitoring process and a report should be available by the next reporting period..
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. County staff has setup equipment and a database to perform Dry Weather Screening and Connection Map reviewing of locations along streams in the Watauga River Watershed. Staff will be updating its map of outfalls in this watershed and is awaiting all of the finalized reports to indicate areas of importance.
- 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."

Joe Grandy, County Mayor

 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