



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

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: The Town, along with the other four Rutherford County MS4 programs, supports a year-round Project WET program that targets specific pollutant sources, additionally distributed at all outreach events, is a standard environmental education packet, comprised of 23 brochures, plus a Stones River watershed map, targets specific pollutant sources common to the MS4 jurisdiction, such as sediment loading, chemicals, pesticides, vehicle fluids, litter, Ecoli & other bacterial sources.  Yes  No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: <https://www.townofsmyrna.org/departments/public-works/storm-water>  Yes  No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Through letters to school principals, teachers have created Adopt-A-Stream efforts in five public schools who are invited to participate in the Town's spring & fall stream cleanup campaigns. Local groups, such as Smyrna Rotary Club, Rutherford County Young Marines, & Lifepoint Baptist Church are emailed invitations to participate in stream cleanups, while the Town's website is used to invite organizations to adopt either state routes, via TDOT's Adopt-A-Highway program or local streets, via the Town's Adopt-A-Roadway program.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: The Town is a participant in the TAB Public Education Program where Facebook announcements are dispersed. Through the Town's involvement in the Project WET contract, four public schools, three elementary & one middle school participated in the countywide fall Waterfest, not to be confused with Smyrna's Boat Day - WaterFest. This event taught 675 Smyrna students, teachers, & parents the need for clean water. Additionally, a late spring Waterfest was held, where 36 students from three public & one private school, were explained the need for clean water. Due to the COVID-19 pandemic this spring, only fall events were held for Adopt-A-Stream, Adopt-A-Higway (AAH), & Adopt-A-Roadway (AAR), where a total of 18 participated in the two Town AAH events, while four AAR events had a total of 40 participants. Please see section line item F for a summation of the Town's fall Adopt-A-Stream efforts. The Town's 13<sup>th</sup> Annual Boat Day-WaterFest was also canceled due to COVID-19, but as a replacement the Town did produce/release a 3:50 minute instream water quality video, shot from the bow of a canoe. This production is entitled 'Our Living Stream' and can be viewed on YouTube.com and the Town's website <https://youtu.be/UpiBS0hHMY8>.
- 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 4<sup>th</sup> Annual Stewart Creek Adopt-A-Stream effort was completed during the fall by five public schools at four sites; two streams, one relatively long wet weather conveyance, & one I-24 interchange discharge site. These 155 volunteers, mostly students, collected 110 bags of litter, plus a wide array of other objects. Unfortunately, these volunteers & school principals were unable to receive their certificates of appreciation & trophies, usually presented by Mayor Reed, due to the closing of all public schools. Eventhough, there were no spring volunteer cleanup events, Town staff did collect 24 bags (30lb.) of litter at seven of the worst sites in an effort to minimize the amount of litter entering our clean & beautiful streams.

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

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- 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? 432
- 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: \_\_\_\_\_  Yes  No
- F. How many illicit discharge related complaints were received this reporting period? Four
- G. How many illicit discharge investigations were performed this reporting period? Four
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? Four

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? 100 - 105
- F. How many active priority and non-priority construction sites were inspected this reporting period? 105 - 110
- G. How many construction related complaints were received this reporting period? none known

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

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A process to ensure stormwater control measures (SCMs) are properly installed and maintained?  Yes  No

Permanent water quality riparian buffers? If yes, specify requirements: As per TDEC  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, while our standard SWPPP is affixed to all plans for all < 1 acre projects.

D. How many development and redevelopment project plans were reviewed for this reporting period? 38

E. How many development and redevelopment project plans were approved? 38

F. How many permanent stormwater related complaints were received this reporting period? none known

G. How many enforcement actions were taken to address improper installation or maintenance? 2

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:

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Modifications or replacement of an ineffective activity/control measure. N/A

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. 586.57 acres with 16,942 feet of ROW

- 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

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>#NOT KNOWN</u>	<u>#NOT KNOWN</u>	<u>#NOT KNOWN</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	<u>#5</u>	<u>#1</u>	<u>#2</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>#1</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>----</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? Improper maintenance of construction entrances, infrequent street cleaning, & storm drain fabric cleaning

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. Due to COVID-19, necessary MTSU students were prevented from participating in this contracted monitoring, but should resume once it is safe to do so according to the governor of Tennessee.
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. Visual Stream Assessment, using the USGS methodology, was performed at all 33 stream segment sites, while the Dry Weather Screening was done at 315 of the 432 outfalls, accessibility issues.
- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report.  Yes  No

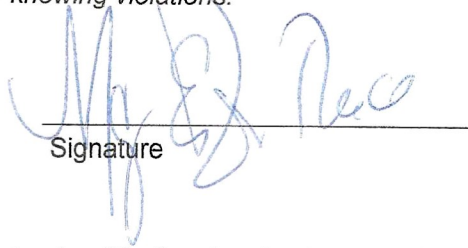
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11. Certification

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."*

Mary Esther Reed  
Printed Name and Title

  
Signature

8-11-2020  
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