



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 Brownsville, TN		MS4 Permit Number: TNS075191
Contact Person: Colton Lilly		Email Address: clilly@brownsvilletn.gov
Telephone: (731) 772-1212		MS4 Program Web Address: http://brownsvilletn.gov/brownsville-government/stormwatergis/
Mailing Address: 111 North Washington Avenue, PO Box 449		
City: Brownsville	State: TN	ZIP code: 38012

What is the current population of your MS4? 10,292

What is the reporting period for this annual report? July 1 2019 to June 30 2020

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: (See Attachments) 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: Litter, Yard Debris, Construction Sites Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: http://brownsvilletn.gov/brownsville-government/stormwatergis/ Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Information about stormwater outreach opportunities would be on the website.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: (See Attachments)

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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: Successful outcomes are that the residents know what sort of activities result in stormwater pollution and are able to report violations to the City. Additionally, construction site operators have installed and maintained construction site BMPs and know the City's stormwater inspector.

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? 350
- 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 procedures in the City's SMP entail providing outreach to the public, so that they know where to report issues observed, and then following up on reports of non-stormwater discharges to ensure that the issues are corrected. 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
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 2 (See Attachments)

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

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- E. How many construction sites disturbing at least one acre or greater were active in your jurisdiction this reporting period? 11
- F. How many active priority and non-priority construction sites were inspected this reporting period? 11
- G. How many construction related complaints were received this reporting period? 0

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: 30 to 60 feet 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 for which City plans review is required.
- D. How many development and redevelopment project plans were reviewed for this reporting period? 1
- E. How many development and redevelopment project plans were approved? 1
- 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
 - 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

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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. 0
 Changes to the program as required by the division to satisfy permit requirements. 0
 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. Yes. Colton Lilly is working as the Stormwater Manager. He works with construction contractors to ensure that EPSC measures are installed and maintained. Additionally, he has implemented a program to actively identify stormwater issues around the City by doing stormwater area inspections at least monthly. Issues that are found are then addressed. 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>#1</u>	<u>#0</u>	<u>#0</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Written notices	<u>#0</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>#N/A</u>	<u>#N/A</u>	<u>#N/A</u>	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?
EPSC violations

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10. Monitoring, Recordkeeping and reporting (Section 5)

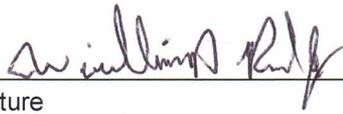
- A. Summarize any analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. None
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. None
- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report. Yes No

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."

William D. Rade Mayor
Printed Name and Title


Signature

10/1/20
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

ATTACHMENTS

Reporting Period: July 2019 to June 2020

City of Brownsville, TN	TNS075191	
Name of MS4	MS4 Permit Number	
Colton Lilly	clilly@brownsvilletn.gov	
Name of Contact Person	Email Address	
731-772-1212		
Telephone (including area code)		
111 North Washington Avenue, P.O. 449		
Mailing Address		
Brownsville	TN	38012
City	State	ZIP code

2. A. IMPAIRED WATERS:

Little Nixon Creek [TN08010205005-0100]
Nixon Creek [TN08010205005-1000]
Sugar Creek [TN08010208031-1000]

2. B. TMDLs

Lower Hatchie River Watershed (HUC 08010208) Siltation and Habitat Alteration dated August 26, 2009
South Fork Forked Deer River Watershed (HUC 08010205) E. Coli approved December 15, 2011
Upper and Lower Hatchie River Watersheds (HUC 08010207 and 08010208) E. Coli Approved December 13, 2018

2. D. BMPs

Provide staff to investigate and request corrective action for discharges to the City's MS4.
Maintain the website that provides information to the public about proper practices to prevent stormwater pollution and provides for the public to report problems to City staff for investigation.

3. E. PUBLIC OUTREACH ACTIVITIES

On the City's website, the City maintains stormwater information that can be accessed at all times. Additionally, the website lists the contact information for the stormwater program, so that residents can contact City staff to receive more information about stormwater issues and to report illicit discharges, illegal dumping, or pollution observed in area storm drains and waterways.

During the permit year, approximately 20 stormwater brochures were placed in the City Hall reception area and were picked up by the public.

In June 2020, a notice was placed on radio station FM 95.3. The DJ was asked to mention stormwater pollution prevention and the City Hall Stormwater phone number was given to report stormwater issues.

4. H. ILLICIT DISCHARGE DETECTION AND ELIMINATION

The City Stormwater Manager has implemented a program to actively identify stormwater issues around the City, so that they can be addressed. The City identified ditches adjacent to South Bond Avenue and Hatchie Street that drain toward Sugar Creek that had a lot of trash. The City cleaned the trash out of the ditches, so that it would not wash into the Creek.

5. D. CONSTRUCTION SITE PRE-CONSTRUCTION MEETINGS

A pre-construction meeting was held for the Tractor Supply Facility. Stormwater pollution prevention requirements were discussed.