

City of Shelbyville



2021 Annual Stormwater Report

July 1st, 2020 through June 30th, 2021



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 Shelbyville		MS4 Permit Number: TNS075531
Contact Person: Buck Vallad		Email Address: buck.vallad@shelbyvilletn.org
Telephone: (931) 684-2644		MS4 Program Web Address: https://www.shelbyvilletn.org/departments/public_works/stormwater/index.php
Mailing Address: 201 North Spring Street		
City: Shelbyville	State: TN	ZIP code: 37160

What is the current population of your MS4? 22,101 per 2019 estimate by US Census Bureau

What is the reporting period for this annual report? July1 2020 to June 30 2021

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: Proposed developments are required to evaluate discharge points and the effect of the development on said discharge points. Any Federal, State, or local permits that are necessary as a result of those effects are required to be obtained prior to commencement of the project. Illicit discharges from properly permitted and existing developments are also monitored for any potential pollutant discharges to waterbodies with unavailable parameters or ETWs. 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

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- 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: Specific areas of known concerns and historical challenges such as automotive shops, quarries, industrial areas, and construction sites to help promote proper storage and disposal of oils and other potential contaminants located on the site. Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: https://www.shelbyvilletn.org/departments/public_works/stormwater/index.php Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Website, Social Media, Newsprint
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Due to Covid-19 restrictions planned events were not attended
- 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: _____

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? 14
- 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: City staff are trained to observe storm drains during dry weather periods and watch for illegal disposals as they run routes (i.e. solid waste collection, mowing activities, etc.) throughout the City. Yes No
- F. How many illicit discharge related complaints were received this reporting period? 2
- 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

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

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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? 25
- F. How many active priority and non-priority construction sites were inspected this reporting period? 132
- G. How many construction related complaints were received this reporting period? 4

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: Current TDEC buffer requirements have been adopted by the City of Shelbyville 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.)? Any project requiring a Grading Permit, Building Permit or Planning Commission approval
- D. How many development and redevelopment project plans were reviewed for this reporting period? 45
- E. How many development and redevelopment project plans were approved? 45
- 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

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- | | | |
|---|---|-----------------------------|
| Municipal parking lots? | <input checked="" type="checkbox"/> Yes | <input 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? | | |
| | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
|
If yes, are new applicable employees trained within six months, and existing applicable employees trained and/or retrained within the permit term? | | |
| | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> 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. _____
- Changes to the program as required by the division to satisfy permit requirements. Resulting from previous evaluation and audit, the City is in the process of revising PIE plan and implementing changes to our public involvement program. Changes to be implemented by June 30, 2022
- 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

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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>15</u>	# <u>0</u>	# <u>2</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	# <u>2</u>	# <u>0</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>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: _____	

- 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? Track out from construction sites onto the public ROW. Installed EPSC measures needing repair or replacement.

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. No analytical monitoring activities were performed during this reporting period
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. Non-analytical activities have included routine observations and monitoring of stream channels and tributaries for discoloration, cloudiness resulting from excessive sediment loads, and irregular changes/patterns of stream bank vegetation or aquatic life. Documentation of non-analytical monitoring has been insufficient as the monitoring has mostly resulted in no remediation actions or further inspections required. It is understood written documentation efforts are needed by City staff even when there are no action items resulting from the non-analytical monitoring activities that are performed. The City intends to maintain documentation as outlined and required in the MS4 permit from this point forward.
- 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."

Joshua W. Roy, City Manager 
 Printed Name and Title Signature

9/28/21
 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

City of Shelbyville Storm Water Management Organizational Structure





Tennessee Division of Water Resources (DWR)

Permits Documents Permit Appeals Moratoriums Complaints Inspections Eng. Plans Hydrologic Det. Exceptional Waters Ambient Monitoring

Search Guidance and Help Link

The Known Exceptional Tennessee Waters and Outstanding National Resource Waters

Exceptional TN Waters

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Rows 50

Actions

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- County = 'Bedford' X

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HUC	Watershed Name	Waterbody	County	Description	Basis for Inclusion	From Lat	To Lat	From Long	To Long	Inclusion Date	Revision Date
06040002	Duck-Upper	Duck River	Bedford	From RM 221.4 upstream of Hwy 231 to Normandy Dam.	State threatened Coppercheek Darter, Ashy Darter, and Barrens Darter.	35.481	35.465	-86.4626	-86.2468		
06040002	Duck-Upper	Fall Creek	Bedford	From Duck River to headwaters.	State threatened Striated Darter.	35.5418	35.8031	-86.5424	-86.453		
06040002	Duck-Upper	Flat Creek	Bedford	From Duck River to headwaters.	State threatened Coppercheek Darter, Striated Darter and Ashy Darter.	35.4708	35.3918	-86.487	-86.4073		
06040002	Duck-Upper	Garrison Fork Creek	Bedford	From Duck River to confluence of Straight Creek.	State threatened Ashy Darter and Striated Darter.	35.4786	35.5527	-86.3325	-86.286		
06040002	Duck-Upper	Hurricane Creek	Bedford	From Fall Creek to headwaters.	State threatened Striated Darter.	35.5646	35.5755	-86.5079	-86.3862		
06040002	Duck-Upper	Kelly Creek	Bedford	From Wartrace Creek to headwaters.	State threatened Striated Darter.	35.5912	35.6323	-86.3384	-86.3072		
06040002	Duck-Upper	North Fork Creek	Bedford	From Duck River to Alexander Creek.	State threatened Striated Darter.	35.5834	35.5932	-86.6421	-86.5417		
06040002	Duck-Upper	Sugar Creek	Bedford	From Duck River to headwaters.	State threatened Coppercheek Darter.	35.4801	35.3649	-86.5103	-86.4883		
06040002	Duck-Upper	Wartrace Creek	Bedford	From Garrison Fork Creek to headwaters.	State threatened Striated Darter.	35.5073	35.6538	-86.334	-86.3076		
06040002	Duck-Upper	Stokes Branch	Bedford	From Garrison Fork to Pannell Branch.	State threatened Striated Darter.	35.5072	35.519	-86.3348	-86.3548		
06040002	Duck-Upper	Pannell Branch	Bedford	From Stokes Branch to headwaters.	State threatened Striated Darter.	35.519	35.5451	-86.3551	-86.3879		
06040002	Duck-Upper	Duck River Unnamed Tributary	Bedford	From Duck River near river mile 194 to origin.	State threatened Yellow Sunnyside.	35.5616	35.5586	-86.6281	-86.8246	NOV-13-2007	
06040002	Duck-Upper	Weakley Creek	Bedford	From River Mile 0.9 of Weakley	State threatened Yellow Sunnyside.	35.8035	35.8077	-86.5805	-86.586	NOV-13-2007	

			Unnamed Tributary		Creek to origin.						
	06040002	Duck-Upper	Dolly Branch	Bedford	Dolly Branch from Longview Road to origin.	State endangered streamside salamander Ambystoma barbouri	35.663847	35.678768	-86.528001	-86.532503	JAN-31-2019
	06040002	Duck-Upper	Weakly Creek Unnamed Tributary	Bedford	Unnamed tributary from confluence with Weakly Creek to origin.	State endangered streamside salamander Ambystoma barbouri	35.652275	35.66549	-86.552671	-86.537823	JAN-31-2019
	06040002	Duck-Upper	Dolly Branch	Bedford	Dolly Branch from confluence with Alexander Creek to origin.	State endangered streamside salamander Ambystoma barbouri.	35.65649	35.673853	-86.515745	-86.536667	FEB-13-2019
	06040002	Duck-Upper	Weakly Creek Unnamed Tributary	Bedford	Unnamed tributary from Confluence with Weakly Creek to origin.	State endangered streamside salamander Ambystoma barbouri.	35.650073	35.650073	-86.550764	-86.537632	FEB-13-2019
	06040002	Duck-Upper	Weakly Creek Unnamed Tributary	Bedford	Unnamed tributary from Weakly Creek to origin.	State endangered streamside salamander Ambystoma barbouri.	35.652345	35.665494	-86.552714	-86.538037	FEB-13-2019
	06040002	Duck-Upper	Weakly Creek Unnamed Tributary	Bedford	Unnamed tributary from Weakly Creek to origin including tributaries.	State endangered streamside salamander Ambystoma barbouri	35.669938	35.675986	-86.552365	-86.544948	FEB-13-2019

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Abbreviations

NF = National Forest
NM = National Monument
NMP = National Military Park
NP = National Park
NRA = National Recreation Area
NRRA = National River and Recreation Area
NW = National Wilderness
NWR = National Wildlife Refuge
ONRW = Outstanding National Resource Water
RM = River Mile
SAA = State Archaeological Area
SHP = State Historic Park
SNA = State National Area
SP = State Park
WA = Wilderness Area
WMA = Wildlife Management Area
WR = Wildlife Refuge



If you have any questions or comments, email our staff at Water.Permits@tn.gov or call at (888) 891-TDEC (8332).

