



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
(615) 532-0625

Municipal Separate Storm Sewer System (MS4) Annual Report

1. MS4 INFORMATION

Name of MS4 MS4 Permit Number

City of Forest Hills TN2075302

Name of Contact Person Email Address

Aspen Collins Aspen.collins@cityofforesthills.com

Telephone (including area code)

(615) 372-8677

Mailing Address

6300 Hillsboro Pike

City Nashville State TN ZIP code 37215

What is the current population of your MS4? 5040

What is the reporting period for this annual report? From July 1, 2020 to June 30, 2021

2. WATER QUALITY PRIORITIES (SECTION 3.1)

A. Does your MS4 discharge into waters listed as impaired on TN's most current 303(d) list and/or according to the on-line GIS mapping tool? If yes, please attach a list all impaired waters within your jurisdictional area. [X] Yes [] No

B. Does your MS4's jurisdictional area contain any waterbodies where a TMDL has been approved for parameters other than pathogens, siltation and habitat alterations? If yes, please attach a list. [] Yes [X] No

C. What specific sources of these pollutants of concern are you targeting? BMP's for new construction with the target being siltation. See BMP manuals here https://www.cityofforesthills.com/stormwater/page/bmpsmanuals.

D. Do you have discharges to any Exceptional TN Waters (ETWs) or Outstanding National Resource Waters (ONRWs)? If yes, please attach a list. [] Yes [X] No

E. Are you implementing additional specific provisions to ensure the continued integrity of ETWs or ONRWS located within your jurisdiction? [] Yes [X] No

3. PROTECTION OF STATE OR FEDERALLY LISTED SPECIES (SECTION 3.2.1 General Permit for Phase II MS4s)

A. Are there any state or federally listed species within the MS4's jurisdiction? [] Yes [X] No

B. Are any of the MS4 discharges or discharge-related activities likely to jeopardize any state or federally listed species? [] Yes [X] No

C. Please attach any authorizations or determinations by U.S. Fish & Wildlife Service on the effect of the MS4 discharges on state or federally listed species.

4. PUBLIC EDUCATION AND PUBLIC PARTICIPATION (SECTION 4.2.1 AND 4.2.2)

A. Is your public education program targeting specific pollutants and sources of those pollutants? [X] Yes [] No

B. Is your public education program targeting specific pollutants and sources of those pollutants, such as Hot Spots?. [X] Yes [] No

C. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program? Hazardous household waste, fertilizer, pet waste, new construction, auto repair, and landscaping watering.

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D. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period. **None**

E. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program? Yes No

F. How do you facilitate, advertise, and publicize public involvement and participation opportunities? **City's stormwater webpage, agendas for board meetings, booths at public events when they take place, Facebook, Quarterly Newsletter, Recycle Day event at City Hall.**

G. Do you have a webpage dedicated to your stormwater program? If so, what is the link/URL: <https://www.cityofforesthills.com/stormwater> Yes No

H. Are you tracking and maintaining records of public education, outreach, involvement and participation activities? Please attach a summary of these activities. Yes No

5. ILLICIT DISCHARGE DETECTION AND ELIMINATION (SECTION 4.2.3)

A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? Yes No

B. Have you completed a map of all storm drain pipes of storm sewer system? Yes No

C. How many outfalls have you identified in your system? Approximately 83

D. Have any of these outfalls been screened for dry weather discharges? Yes No

E. What is your frequency for screening outfalls for illicit discharges? Monthly

F. Do you have an ordinance that effectively prohibits illicit discharges? Yes No

G. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? **2**

H. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? **All illicit discharges have been resolved.**

6. CONSTRUCTION SITE STORMWATER RUNOFF (SECTION 4.2.4)

A. Do you have an ordinance or adopted policies stipulating:

Erosion and sediment control requirements? Yes No

Other construction waste control requirements? Yes No

Requirement to submit construction plans for review? Yes No

MS4 enforcement authority? Yes No

B. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? **15**

C. How many of these active sites did you inspect this reporting period? **15**

D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? **Each time a property calls for any inspection, the epsc measures are inspected as well.**

E. Do you prioritize certain construction sites for more frequent inspections? If yes, based on what criteria? Yes No

7. PERMANENT STORMWATER CONTROLS (SECTION 4.2.5)

A. Do you have an ordinance or other mechanism to require:

Site plan reviews of all new and redevelopment projects? Yes No

Maintenance of stormwater management controls? Yes No

Retrofitting of existing BMPs with green infrastructure BMPs? Yes No

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- B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc). ALL
- C. Have you implemented and enforced performance standards for permanent stormwater controls? Yes No
- D. Do these performance standards go beyond the requirements found in Section 4.2.5.2 and require that predevelopment hydrology be met for:
- Flow volumes Yes No
 - Peak discharge rates Yes No
 - Discharge frequency Yes No
 - Flow duration Yes No
- E. Please provide the URL/reference where all permanent stormwater management standards can be found .
https://www.cityofforesthills.com/sites/default/files/fileattachments/stormwater/page/6991/5_storm_water_management_ordinance_2014.updated_2020.pdf
- F. How many development and redevelopment project plans were reviewed for this reporting period? 33
- G. How many development and redevelopment project plans were approved? 30
- H. How many permanent stormwater management practices/facilities were inspected? 0
- I. How many were found to have inadequate maintenance? 0
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify.) 0
- K. How many enforcement actions were taken that address inadequate maintenance? 0
- L. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? Yes No
- M. Do all municipal departments and/or staff (as relevant) have access to this tracking system? Yes No
- N. Has the MS4 developed a program to allow for incentive standards for this redeveloped sites? Yes No
- O. How many maintenance agreements has the MS4 approved during the reporting period? 0
- 8. CODES AND ORDINANCES REVIEW AND UPDATE (SECTION 4.2.5.3)**
- A. Is a completed copy of the EPA Water Quality Scorecard submitted with this report? Yes No
- B. Include status of implementation of code, ordinance and/or policy revisions associated with permanent stormwater management. N/A
- 9. STORMWATER MANAGEMENT FOR MUNICIPAL OPERATIONS (SECTION 4.2.6)**
- A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:
- All parks, ball fields and other recreational facilities Yes No
 - All municipal turf grass/landscape management activities Yes No
 - All municipal vehicle fueling, operation and maintenance activities Yes No
 - All municipal maintenance yards Yes No
 - All municipal waste handling and disposal areas Yes No
- B. Are stormwater inspections conducted at these facilities? Yes No
- If yes, at what frequency are inspections conducted? Forest Hills Does not have of the facilities listed above.
- C. Have standard operating procedures or BMP's been developed for all MS4 fieldactivities? (e.g, road repairs, catch basin cleaning, landscape management, etc). Yes No
- D. Do you have a prioritization system for storm sewer system and permanent BMP inspections? Yes No
- E. On average, how frequently are catch basins and other inline treatment systems inspected? Yearly

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- F. On average, how frequently are catch basins and other inline treatment system cleaned out/maintained? **Yearly or on an as needed basis.**
- G. Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management? Yes No
- H. If yes, do you also provide regular updates and refreshers? Yes No
 If so, how frequently and/or under what circumstances? **Staff members are member of the TNSA group that provides frequent training.**

10 STORMWATER MANAGEMENT PROGRAM UPDATE (SECTION 4.4)

- A. Describe any changes to the MS4 program during the reporting period including but not limited to:
- Changes adding (but not subtracting or replacing) components, controls or other requirements (Section 4.4.2.a). **No Changes**
 - Changes to replace an ineffective or unfeasible BMP (Section 4.4.2b) **No Changes**
 - Information (eg. additional acreage, outfalls, BMP's) on program area expansion based on annexation or newly urbanized areas. **No Changes**
 - Changes to the program as required by the division (Section 4.4.3) **No Changes**

11. EVALUATING/MEASURING PROGRESS

- A. What indicators do you use to evaluate the overall effectiveness of your Stormwater Management Program, how long have you been tracking them, and at what frequency? Note that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc?

Indicator	Began Tracking (year)	Frequency	Number of Locations
Benthic invertebrate	2018	Yearly	3

- B. Provide a summary of data (e.g., water quality information, performance data, modeling) collected in order to evaluate the performance of permanent stormwater controls installed throughout the system. This evaluation may include a comparison of current and past permanent stormwater
Please use this link to access reports with data collected to evaluate performance
<https://www.cityofforesthills.com/stormwater/page/stream-monitoring>

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12. ENFORCEMENT

A. Identify which of the following types of enforcement actions you used during the reporting period, indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater control) or note those for which you do not have authority:

Action	Construction	Permanent Stormwater Controls	Illicit Discharge	Authority?
Notice of violation	# <u>2</u>	# <u>0</u>	# <u>2</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Administrative fines	# <u>2</u>	# <u>0</u>	# <u>2</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Stop Work Orders	# <u>2</u>	# <u>0</u>	# <u>2</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Civil penalties	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Criminal actions	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Administrative orders	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Other _____	# <u>0</u>	# <u>0</u>	# <u>0</u>	

B. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions in your jurisdiction? Yes No

C. What are the 3 most common types of violations documented during this reporting period? EPSC not installed correctly and land disturbance without a permit.

13. PROGRAM RESOURCES (OPTIONAL)

A. What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period? \$7,500

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? \$7,500

C. Do you have an independent financing mechanism for your stormwater program? Yes No

D. If so, what is it/are they (e.g., stormwater fees), and what is the annual revenue derived from this mechanism?

Source: _____ Amount \$ _____

Source: _____ Amount \$ _____

E. How many full time employees does your municipality devote to the stormwater program (specifically for implementing the stormwater program vs. municipal employees with other primary responsibilities that dovetail with stormwater issues)? 0

F. Do you share program implementation responsibilities with any other entities? Yes No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism

G. Please attach a copy of your Organizational Chart

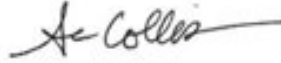
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14. CERTIFICATION

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 by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.”

Aspen Collins, City Manager



September 2, 2021

Printed Name and
Title

Signature

Date

Annual reports must be submitted in accordance with the requirements of subpart 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by January 31 of each calendar year, as shown in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	1301 Riverfront Parkway, Ste 206	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
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

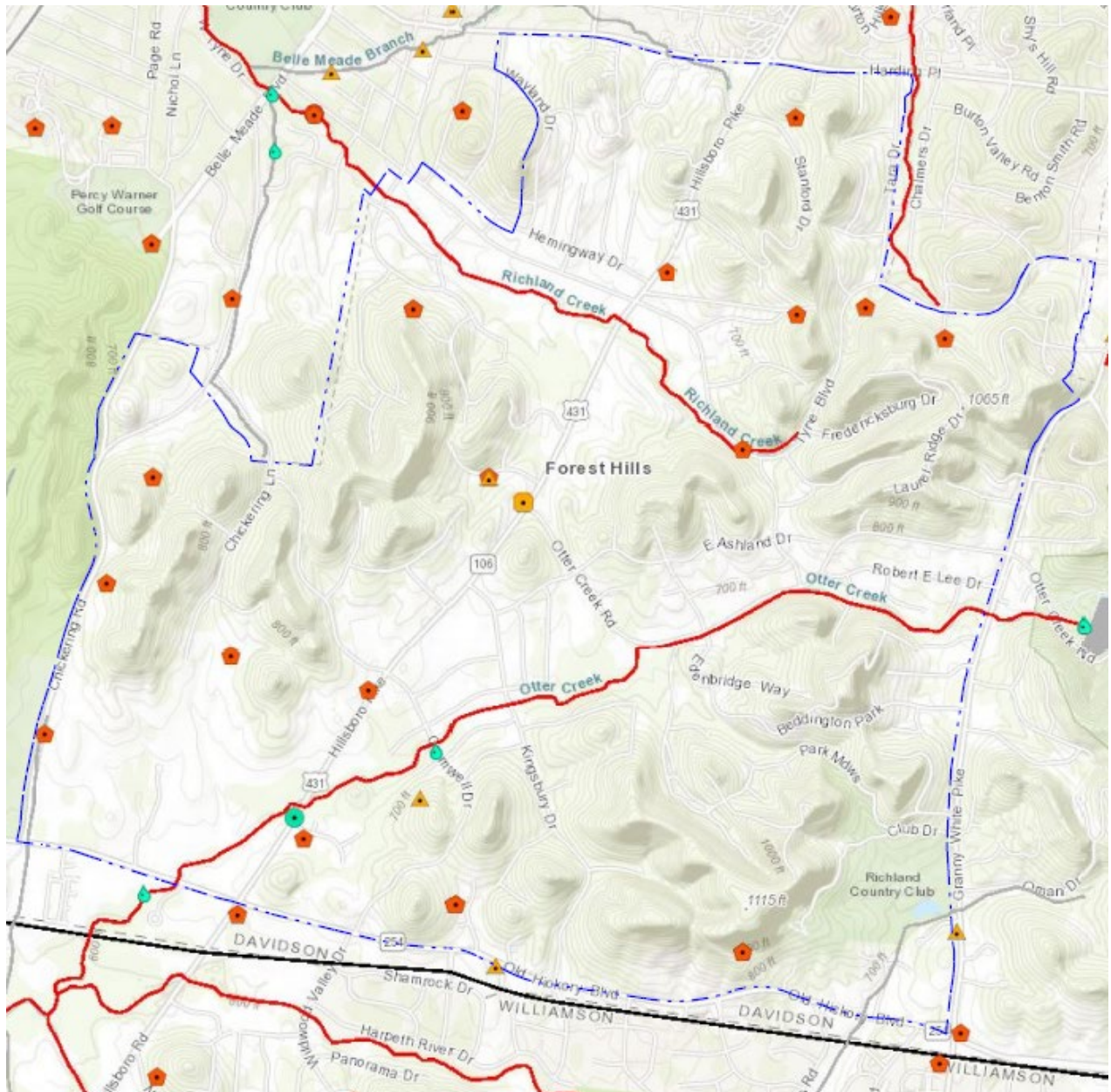
City of Forest Hills
Permit Tracking Number TN2075302
July 1, 2020 to June 30, 2021

Supplemental Information

Section 2. A.

303(d) Waters with Unavailable Parameters

ID: TN05130204021_0100; Otter Creek:
ID: TN05130202314_3000; Richland Creek:
ID: TN05130202314_0400; Sugartree Creek:



Source: <https://tdeconline.tn.gov/dwr/>

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Table of 303(d)

ID305B	WATER_NAME	LOCATION	WATER_TYPE	WATER_SIZE	CAUSE_NAME	TMDL PRIORITY	SOURCE_NAME
TN05130204021_0100	OTTER CREEK	DAVDSON CO	RIVER	4.6	Sedimentation/ Siltation	NA	Municipal (Urbanized High Density Area)
TN05130204021_0100	OTTER CREEK	DAVDSON CO	RIVER	4.6	Low flow alterations	NA	Upstream Impoundments (e.g.,PI-566 NCRS Structures)
TN05130204021_0100	OTTER CREEK	DAVDSON CO	RIVER	4.6	Alteration in stream-side or littoral vegetative covers	M	Municipal (Urbanized High Density Area)
TN05130204021_0100	OTTER CREEK	DAVDSON CO	RIVER	4.6	Phosphorus (Total)	M	Upstream Impoundments (e.g.,PI-566 NCRS Structures)
TN05130204021_0100	OTTER CREEK	DAVDSON CO	RIVER	4.6	Phosphorus (Total)	M	Municipal (Urbanized High Density Area)

ID305B	WATER_NAME	LOCATION	WATER_TYPE	WATER_SIZE	CAUSE_NAME	TMDL PRIORITY	SOURCE_NAME
TN05130202314_3000	RICHLAND CREEK	DAVDSON CO	RIVER	4	Other anthropogenic substrate alterations	L	Municipal (Urbanized High Density Area)
TN05130202314_3000	RICHLAND CREEK	DAVDSON CO	RIVER	4	Nitrate/Nitrite (Nitrite+Nitrate as N)	L	Municipal (Urbanized High Density Area)
TN05130202314_3000	RICHLAND CREEK	DAVDSON CO	RIVER	4	Phosphorus (Total)	L	Municipal (Urbanized High Density Area)
TN05130202314_3000	RICHLAND CREEK	DAVDSON CO	RIVER	4	Escherichia coli	NA	Municipal (Urbanized High Density Area)

ID305B	WATER_NAME	LOCATION	WATER_TYPE	WATER_SIZE	CAUSE_NAME	TMDL PRIORITY	SOURCE_NAME
TN05130202314_0400	SUGARTREE CREEK	DAVDSON CO	RIVER	4.3	Other anthropogenic substrate alterations	L	Municipal (Urbanized High Density Area)
TN05130202314_0400	SUGARTREE CREEK	DAVDSON CO	RIVER	4.3	Phosphorus (Total)	L	Municipal (Urbanized High Density Area)
TN05130202314_0400	SUGARTREE CREEK	DAVDSON CO	RIVER	4.3	Nitrate/Nitrite (Nitrite+Nitrate as N)	L	Municipal (Urbanized High Density Area)
TN05130202314_0400	SUGARTREE CREEK	DAVDSON CO	RIVER	4.3	Oxygen, Dissolved	L	Municipal (Urbanized High Density Area)
TN05130202314_0400	SUGARTREE CREEK	DAVDSON CO	RIVER	4.3	Escherichia coli	NA	Municipal (Urbanized High Density Area)

Section 13. G.

City of Forest Hills Organizational Chart

