



September 30, 2022

TDEC Division of Water Resources
3711 Middlebrook Pike
Knoxville, Tennessee 37921

ATTN: Mrs. Valerie McFall

Subject: **Anderson County Annual Report FY22**
NPDES Permit # TNS075108
GEOservices Project No. 24-221126

Dear Mrs. McFall:

Please accept this FY22 Annual Report for Anderson County MS4. The report requires submittal of a list of impaired waterways and approved TMDLs located within the jurisdictional area. **Table 1** below describes the impaired waters as presented in the Division of Water Resources' GIS Data Viewer.

Waterbody	Waterbody ID	2020 303 (d) Pollutant	Approved TMDL
Hinds Creek	TN06010207016_1000	Total Phosphorus, Nitrate/Nitrite, E.coli	06010207, Siltation & Habitat Alteration, 2006
Coal Creek	TN06010207029_1000	Total Phosphorus, E.coli	06010207, E.coli, 2005
Buffalo Creek	TN06010207016_0100	E.coli	06010207, E.coli, 2017
Melton Hill Reservoir	TN06010207006_1000	Chlordane, PCBs	06010207, PCBs & Chlordane, 2010
Clinch River	TN06010207019_1000	Flow Regime Modification & Temperature	

Table 1: Anderson County Impaired Waterbodies

Please review the Annual Report and do not hesitate to contact me at (865) 776-8208 or jmann@geoservicesllc.com with questions or comments.

Respectfully submitted,
GEOservices, LLC

Jason Mann, PE
Senior Project Manager



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

1. MS4 Information

Name of MS4: Anderson County		MS4 Permit Number: TNS075108
Contact Person: Danny Phillips, Stormwater Coordinator		Email Address: dphillips@andersoncountyttn.gov
Telephone: (865) 457-5400		MS4 Program Web Address: https://andersoncountyplanning.com/storm-water/
Mailing Address: 100 N Main Street, Room 127		
City: Clinton	State: Tennessee	ZIP code: 37716

What is the current population of your MS4? UA ~3000, but new census data and maps will be issued in Dec. 2022 - Overall updated County population is 77,123

What is the reporting period for this annual report? July1 2021 to June 30 2022

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: Priority construction sites are established if sites discharge to ETWs and impaired waterways. Increased inspection frequency of priority construction sites reduces potential impacts to waters 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
- 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: Lower Clinch Watershed Association, Coal Creek Watershed Foundation, and Bullrun Creek Restoration Partnership have all dissolved or quit conducting outreach events after COVID. Many of the events in the PIE plan were not conducted due to lack of events in our watersheds. Anderson Co. staff gave out Hotspot brochures to automotive-related local businesses in accordance with the PIE plan. Ongoing municipal training is also included in the PIE plan Yes No

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

- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: <https://andersoncountyplanning.com/storm-water/> Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Most of our regional 501-C(3)s have dissolved which canceled most planned events in FY22. Anderson County uses the website to advertise outreach opportunities, county commission meetings, and additional events. Brochures and notifications are distributed at the Codes Department desk and other locations within the County Courthouse Building.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Most of our regional water/environmental-related 501-C(3)s have dissolved which canceled most planned events in FY22. Targeted educational groups that were covered this fiscal year include automotive-related businesses, general public, and municipal employees. Hazardous Waste Event had Geoff Trabalka give away an undetermined amount of brochures (remainder of lot were not returned). Education handouts were distributed to local oil & gas hotspots. A storm water hotline is published online to increase the public's involvement with the program and address complaints from citizens.
- 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: Anderson County has noticed a significant increase in stormwater complaints received via phone and in-person. Furthermore, as staff revisit auto repair businesses, the sites are cleaner than initial site visits.

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? Approximately 80% of the jurisdictional area has been mapped. A GIS layer has been compiled to summarize system inputs, but an accurate number of inlets is not available at this time. Mapping 20% of the system per year is expected to continue, and a comprehensive GIS layer will be finalized.
- 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: A formal IDDE plan and SOP has been developed and adopted. Dry weather screening processes have been followed during recent mapping by GEOServices, LLC. Mapping the storm drainage system within the jurisdictional area is ongoing, and illicit discharges are actively pursued during those efforts. 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? 0
- 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? 5
- F. How many active priority and non-priority construction sites were inspected this reporting period? 5
- G. How many construction related complaints were received this reporting period? 20

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: _____ 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.)? >1 acre
- D. How many development and redevelopment project plans were reviewed for this reporting period? 0
- E. How many development and redevelopment project plans were approved? 0
- 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? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Municipal parking lots? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Maintenance and storage yards? | <input type="checkbox"/> Yes | <input checked="" 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 type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Snow disposal areas? | <input type="checkbox"/> Yes | <input checked="" 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?
- 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. The MS4 program in Anderson County is working well, and no changes have been made to this point. FY22 had a lot of internal policy and construction-based focus since outreach opportunities were diminished. Dry weather screening and mapping continued on schedule, and PPGH plans are being developed.
- Changes to the program as required by the division to satisfy permit requirements. NA.
- Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. NA.
- 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. Several deficiencies were noted during the compilation of this annual report. Several O&M plans were not developed as planned this year, and this will be a focus for the future. The PIE plan needs revisions to reflect an expected event schedule in a post-COVID environment
- Yes No

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

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>5</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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Additional Measures	# <u>0</u>	# <u>0</u>	# <u>0</u>	Describe: <u>NA</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? Flooding, mud in the road, and unkept ponds are the most common types of non-compliance issues.

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

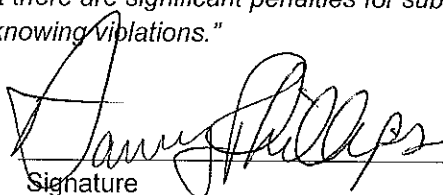
11. Certification

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

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."

Danny Phillips
 Printed Name and Title


 Signature

9/30/22
 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