



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: Hamblen County		MS4 Permit Number: TNS077763
Contact Person: Tina Whitaker		Email Address: twhitaker@co.hamblen.tn.us
Telephone: (423) 581-1373		MS4 Program Web Address: www.hamblencountytn.gov/planning-zoning
Mailing Address: 511 W. 2 nd North Street		
City: Morristown	State: TN	ZIP code: 37814

What is the current population of your MS4? 64,479

What is the reporting period for this annual report? July 1 21 to June 30 22

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: _____. 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: _____. Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: _____. Yes No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: See attached
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: See attached

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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: See attached

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? 220
- 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? 1
- G. How many illicit discharge investigations were performed this reporting period? 1
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 1

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? 2
- F. How many active priority and non-priority construction sites were inspected this reporting period? 80
- G. How many construction related complaints were received this reporting period? 30

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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: 30/60 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
- D. How many development and redevelopment project plans were reviewed for this reporting period? 3
- E. How many development and redevelopment project plans were approved? 3
- F. How many permanent stormwater related complaints were received this reporting period? 1
- 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
- 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. 0
- 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. See Attached 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>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	# <u>30</u>	# <u>1</u>	# <u>1</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: _____	

- 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? Lack of erosion control measure/sediment runoff

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. 0
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. 0
- 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."

Printed Name and Title	Signature	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

- Home
- Permits
- Documents
- Complaints
- Inspections
- Engineering Plans
- Hydrologic Determinations
- Exceptional Waters
- Ambient Monitoring
- QLP Data
- Oil & Gas Wells
- Water Wells
- Certified

▶ The Known Exceptional Tennessee Waters and Outstanding National Resource Waters

Go Rows: 15 Actions

1 - 5 of 5
Row text contains 'Hamblen'

HUC	Watershed Name	Waterbody	County	Description	Basis for Inclusion	From Lat	To Lat	From Long	To Long	Inclusion Date	Revision Date
06010104	Holston	Panther Creek	Hamblen	Portion in Panther Creek SP	Panther Creek State Park	36.2052	36.2068	-83.4296	-83.3998		
06010108	Notchucky	Notchucky River	Cocke, Greene, Hamblen	From Douglas embayment (RM 2.5) to Jones Island 1/2 of Hwy 321 (confluence with Pigeon Creek).	Portion USFWS designated Critical Habitat for Oyster Mussel, Fined Kidneyshell, Slabside Pearlynussel and Cumberlandian Combshell (0.4 mi 1/2 of Enka dam approx. RM 9 to Jones Island 1/2 of Hwy 321), Populations of federal threatened Shell Diver and state threatened Blue Sucker	36.1114	36.07545	-83.2406	-82.92926	7/18/2005	7/28/2022
06010108	Notchucky	Bent Creek	Hamblen	From junction of Warrensburg and Mountain Road to Mud Creek	Exceptional biological diversity. WPC ecoregion reference stream for 67g.	36.2087	36.2398	-83.1338	-83.1112		
06010104	Holston	Holston River Unnamed Tributary	Hamblen	Unnamed tributary from Holston River mile 62.0 to origin.	Panther Creek State Park	36.2253	36.2226	-83.3971	-83.3993	3/18/2009	
06010104	Holston	Panther Creek Unnamed Tributary	Hamblen	Unnamed tributary from Panther Creek at river mile 1.3 to origin.	Panther Creek State Park	36.208	36.2058	-83.413	-83.4098	3/18/2009	

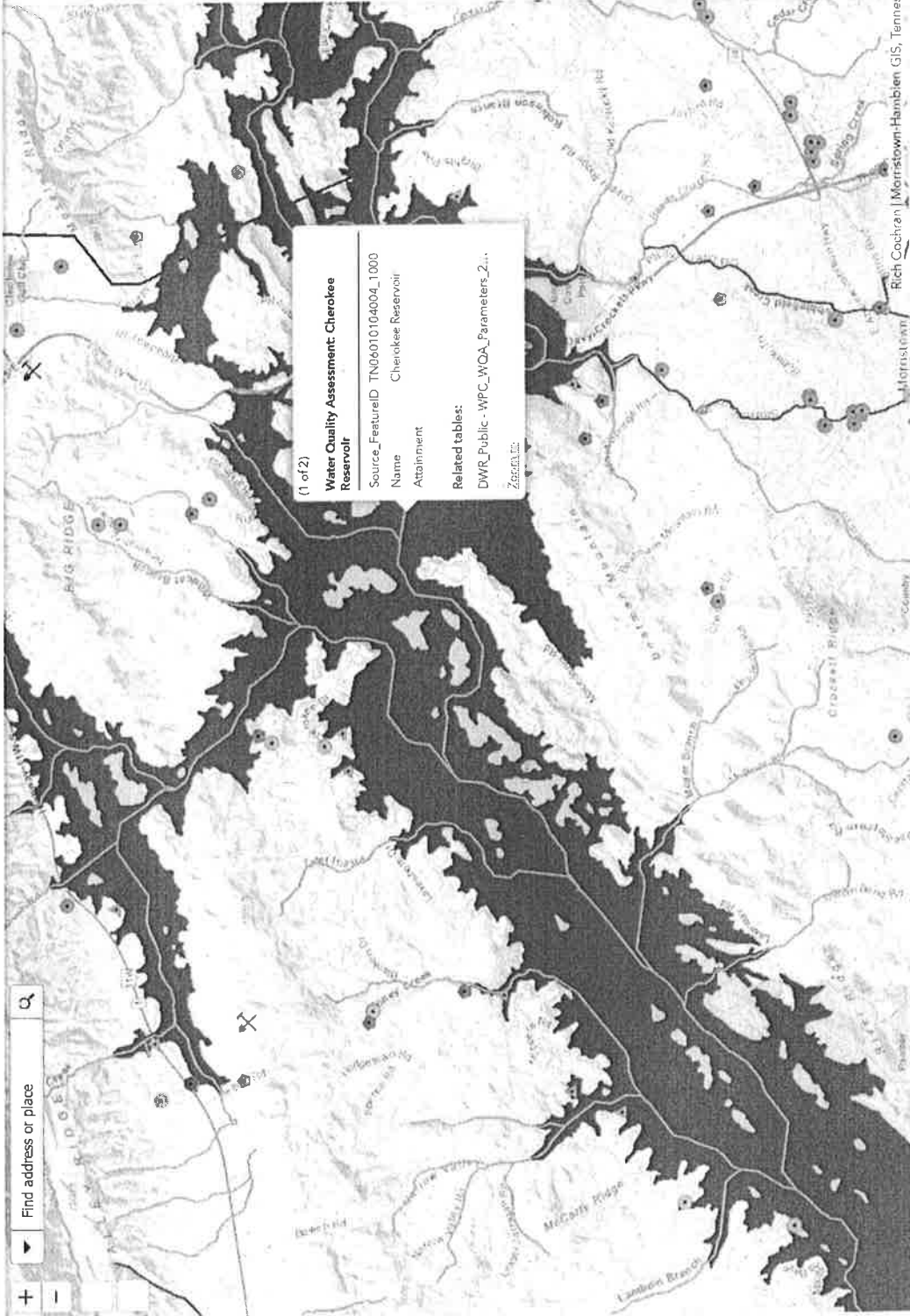
- NF = National Forest
- NM = National Monument
- NMP = National Military Park
- NP = National Park
- NRA = National Recreation Area
- NRRA = National River and Recreation Area
- NW = National Wilderness
- NWR = National Wildlife Refuge
- ONRW = Outstanding National Resource Water
- RM = River Mile
- 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, call us at (615) 532-0287 or email the TDEC Help Desk at Help_Desk@tn.gov.

2A(2)
2B

ID 305B Waterbody ID	Waterbody Name	Primary County	Other Counties	Water Type	Water Size	Impairment Cause Name	TMDL Prio	Potential Impairment Source Name
TN06010104001_0100	Love Creek	Knox County		RIVER	9.7	ESCHERICHIA COLI (E. COLI)	NA	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104001_0100	Love Creek	Knox County		RIVER	9.7	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104001_0100	Love Creek	Knox County		RIVER	9.7	OTHER ANTHROPOGENIC SUBSTRATE ALTERATIONS	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104001_0100	Love Creek	Knox County		RIVER	9.7	SEDIMENTATION/SILTATION	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104001_0500	Roseberry Creek	Knox County		RIVER	20	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104001_0500	Roseberry Creek	Knox County		RIVER	20	ESCHERICHIA COLI (E. COLI)	NA	ON-SITE TREATMENT SYSTEMS (SEPTIC SYSTEMS)
TN06010104001_0800	Lost Creek	Jefferson County		RIVER	26.8	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104001_0800	Lost Creek	Jefferson County		RIVER	26.8	ESCHERICHIA COLI (E. COLI)	NA	ON-SITE TREATMENT SYSTEMS (SEPTIC SYSTEMS)
TN06010104001_0800	Lost Creek	Jefferson County		RIVER	26.8	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104001_0800	Lost Creek	Jefferson County		RIVER	26.8	SEDIMENTATION/SILTATION	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104001_0900	Beaver Creek	Jefferson County		RIVER	21	ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104001_0900	Beaver Creek	Jefferson County		RIVER	21	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104001_0900	Beaver Creek	Jefferson County		RIVER	21	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104001_1400	Swanpond Creek	Knox County		RIVER	16.3	ESCHERICHIA COLI (E. COLI)	NA	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104001_2000	Holston River	Grainger County	Jefferson County	RIVER	26.9	DISSOLVED OXYGEN	Low	DAM OR IMPOUNDMENT
TN06010104001_2000	Holston River	Grainger County	Jefferson County	RIVER	26.9	FLOW REGIME MODIFICATION	NA	DAM OR IMPOUNDMENT
TN06010104004_1000	Cherokee Reservoir	Jefferson County	Grainger County; Hamblen County; Hawkins County	LAKE/ RESERVOIR/ POND	25964	MERCURY	Low	ATMOSPHERIC DEPOSITION
TN06010104004_1000	Cherokee Reservoir	Jefferson County	Grainger County; Hamblen County; Hawkins County	LAKE/ RESERVOIR/ POND	25964	MERCURY	Low	SOURCES OUTSIDE STATE JURISDICTION OR B
TN06010104004_2000	Cherokee Reservoir	Hawkins County	Hamblen County; Grainger County; Jefferson County	LAKE/ RESERVOIR/ POND	2816	MERCURY	Low	SOURCES OUTSIDE STATE JURISDICTION OR B
TN06010104004_2000	Cherokee Reservoir	Hawkins County	Hamblen County; Grainger County; Jefferson County	LAKE/ RESERVOIR/ POND	2816	MERCURY	Low	ATMOSPHERIC DEPOSITION - TOXICS
TN06010104004T_0800	Stone Mountain Branch	Hawkins County		RIVER	2.11	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_0900	Renfro Creek	Hawkins County		RIVER	6.9	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1100	Stock Creek	Hawkins County		RIVER	4.2	ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1250	Caney Creek	Hawkins County		RIVER	16.8	ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1250	Caney Creek	Hawkins County		RIVER	16.8	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1250	Caney Creek	Hawkins County		RIVER	16.8	SEDIMENTATION/SILTATION	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1300	Crockett Creek	Hawkins County		RIVER	5.3	ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104004T_1300	Crockett Creek	Hawkins County		RIVER	5.3	ESCHERICHIA COLI (E. COLI)	NA	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104004T_1300	Crockett Creek	Hawkins County		RIVER	5.3	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104004T_1300	Crockett Creek	Hawkins County		RIVER	5.3	SEDIMENTATION/SILTATION	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104004T_1450	Dodson Creek	Hawkins County		RIVER	10.58	ESCHERICHIA COLI (E. COLI)	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1510	Three Forks Branch	Hawkins County		RIVER	1.96	ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1510	Three Forks Branch	Hawkins County		RIVER	1.96	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1610	Walker Branch	Hawkins County		RIVER	1.53	ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1610	Walker Branch	Hawkins County		RIVER	1.53	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1610	Walker Branch	Hawkins County		RIVER	1.53	SEDIMENTATION/SILTATION	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1700	War Creek	Hawkins County		RIVER	3	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1900	Fall Creek	Hamblen County		RIVER	8.07	ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1900	Fall Creek	Hamblen County		RIVER	8.07	ESCHERICHIA COLI (E. COLI)	NA	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1900	Fall Creek	Hamblen County		RIVER	8.07	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1900	Fall Creek	Hamblen County		RIVER	8.07	PHOSPHORUS, TOTAL	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_1900	Fall Creek	Hamblen County		RIVER	8.07	SEDIMENTATION/SILTATION	Low	GRAZING IN RIPARIAN OR SHORELINE ZONES
TN06010104004T_2220	Stubblefield Creek	Hamblen County		RIVER	6.01	OTHER ANTHROPOGENIC SUBSTRATE ALTERATIONS	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104004T_2300	Turkey Creek	Hamblen County		RIVER	7.93	ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104004T_2300	Turkey Creek	Hamblen County		RIVER	7.93	ESCHERICHIA COLI (E. COLI)	NA	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104004T_2300	Turkey Creek	Hamblen County		RIVER	7.93	ESCHERICHIA COLI (E. COLI)	NA	SANITARY SEWER OVERFLOWS (COLLECTION SYSTEMS)
TN06010104004T_2300	Turkey Creek	Hamblen County		RIVER	7.93	NITRATE/NITRITE (NITRITE + NITRATE AS N)	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)
TN06010104004T_2300	Turkey Creek	Hamblen County		RIVER	7.93	SEDIMENTATION/SILTATION	Low	MUNICIPAL (URBANIZED HIGH DENSITY AREA)

Find address or place



(1 of 2)

Water Quality Assessment: Cherokee Reservoir

Source_FeatureID TN06010104004_1000

Name Cherokee Reservoir

Attainment

Related tables:
DWR_Public - WPC_WQA_Parameters_2...

Legend

- DWR_Public
- Water Resources Permits
 - Aquatic Resource Alteration
 - Biosolids
 - Concentrated Animal Feeding Operation (CAFO)
 - Construction
 - Hydrotatic
 - Iron-Basin Water Transfer
 - Individual
 - Municipal Stormwater (MS4)
 - Mining
 - Ready Mixed Concrete Facilities
 - State Operating Permit
 - Storm Water Multi-Sector Permit for Industrial Activities
 - Aquatic Herbicide/Pesticide
 - Underground Storage Tank Remediation
 - Discharge
- Monitoring Sites
- Water Quality Assessment
 - Fully Supporting
 - Fully Supporting (Evaluated)
 - Not Assessed
 - Not Supporting
 - Not Supporting (Evaluated)
 - Threatened
- Water Quality Assessment Waterbodies
 - Fully Supporting
 - Not Assessed
 - Not Supporting
- Countries

1 mi
36.230653 -83.353039 Degrees

3. Public Education/Outreach and Involvement/Participation (Sections 4.2.1 and 4.2.2)

D-Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities:

Website, development brochures with every residential building permit, Cherokee Park display board, Courthouse Display board

E-Summarize the public education, outreach, involvement and participation activities you completed during the reporting period:

HHW Event, presentation at various meetings, outreach through display board at Cherokee Park, display table with SW information and brochures, education brochures mailed to various businesses (lawn care/maintenance), brochures handed out with every customary home occupation permit.

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 year:

Rain barrel display at the Courthouse has brought several questions concerning water harvesting and stormwater practices.

4. Illicit Discharge Detection and Elimination

E-Plan/SOP

Standard Operating Procedure: Illicit Discharge Detection

Reasons for Procedure

Since storm drain systems are not connected to a sanitary sewer treatment plant, water traveling through the storm drain system flows directly to local streams, rivers, and lakes untreated. An Illicit discharge to the storm system is generally defined as any discharge that is not composed entirely of stormwater. The Hamblen County MS4 Program "shall include all procedures to detect, identify, and address non-stormwater discharges to the MS4.

Purpose

The purpose of this procedure is to identify and address any illicit discharges detected during storm sewer outfall inspections or otherwise reported illicit discharges impacting the storm sewer system.

Responsibility

All Level 1 Stormwater staff is responsible for preventing illicit discharges from the County's operations.

Staff is responsible for reporting the illicit discharge to the appropriate regulatory agencies as required and conducting follow up efforts to prevent the re-occurrence of the illicit discharge where possible.

The Stormwater Manager is responsible for ensuring that employees are properly informed of and trained on how to prevent illicit discharges and understand how to trace an illicit discharge upon discovery. In the event an illicit discharge is discovered, the stormwater manager must consult with the response team prior to taking action in order to ensure remediation efforts will not cause additional harm to state waters. Managers and supervisors are responsible for ensuring training is conducted with the most recent version of the SOP.

Personnel Performing the Job

Staff is responsible for understanding and following these procedures upon receipt of property training. Staff should consult with the Stormwater Manager prior to taking action to resolve any impacts from the release.

Procedure

Initial Actions and Notifications

- Upon discovery of an illicit discharge, efforts shall be immediately undertaken to stop or contain the discharge if possible
- The SW Manager will be notified of any illicit discharge detected during storm sewer outfall inspection or otherwise identified as the responsibility of the team to address. A complete description of the discharge and as much information as possible will be provided.

Discharge Identified

- If the contaminant is identified as hazardous, immediately call the Fire Department for assistance in clean up
- If the source of the discharge is identified as being caused by an uncontrolled activity such as improper trench dewatering, wash water, or improper disposal of liquids, the staff responsible for the illicit discharge should be immediately notified to cease operations. Their supervisor should be contacted, and a verbal explanation of proper protocol should be provided to appropriate staff as soon as possible.
- If the source of the discharge is determined to be a leaking piece of equipment, vehicle, or dumpster, the leak should be contained, and the leaking item shall be removed from service until it can be repaired.
- If a contractor is causing the illicit discharge, the staff responsible for oversight of the contractor should also be contacted. The illicit discharge should be stopped or contained and brought to the contractor's attention. The contractor should be made aware of appropriate means for conducting activities before work is allowed to continue.

Discharge Not Immediately Identified

If the nature and source of the discharge is not immediately obvious, use a variety of strategies to test the discharge and locate the source of contamination.

- Contact construction project managers, zone maintenance staff, and supervisors responsible for industrial activities within the drainage area to determine if they can help identify or isolate the source.

- Use GIS software to strategically check catch basins in the upstream tributary storm sewer system for contamination.

 - Visual observations should be used to look for presence of flow, colors, odor, floatable materials, or deposits of stains. The GIS map can then be used to trace the path of catch basins to the potential source.

 - Catch basins closest to the outfall should be investigated first, with staff progressively moving up the network and inspecting catch basins until it can be determined specifically where the source is coming in or between which two catch basins the source is coming in.

- If the above efforts do not identify the source of the illicit discharge, staff should revisit the site approximately 24 hours from the time the discharge was initially reported or the next business day following the discharge to see if the discharge has reoccurred.

 - If there is no discharge observed during the follow up visit, staff should determine whether repeat visits are required or if the circumstances of the discharge should be considered a one-time event. The frequency of return visits to the site and the rationale should be documented.

In the case of a one-time event, such as illegal dumping, the event should be documented in detail in case a similar event happens in the future and a pattern can be identified.

 - For continuous discharges or discharges that are expected to occur more frequently than a one-time discharge, staff should determine the frequency of return visits to the site on a case by case basis and the rationale should be documented.

Remediation Efforts

Efforts to clean up the illicit discharge or remediate impacts caused by the illicit discharge shall only be undertaken after consultation with the staff team.

No clean up or remediation efforts shall be undertaken that could potentially cause additional harm to state waters beyond impacts caused by the release of the initial illicit discharge. In no case should a

contained illicit discharge be released to state waters unless TDEC has been consulted and has granted approval for such release.

Documentation and Follow-up

Staff will document the incident using the "Illicit Discharge Report" form and be placed in the appropriate stormwater program files.

Upon confirmation that the illicit discharge has been eliminated, staff should follow up 48 hours to revisit the site and ensure the illicit discharge has been completely eliminated and that additional issues have not occurred as a result of clean-up efforts.

The Stormwater Manager is responsible for conducting training to employees at least once every 24 months and conducting an annual review of this procedure with the appropriate staff.

Regulatory Impacts

Illicit discharges are prohibited by the Hamblen County MS4 permit. Illicit discharges may be punishable by civil and criminal penalties as illicit discharges constitute a threat to the public health, safety, and welfare, and are deemed public nuisances.



Hamblen County Planning and Zoning
511 West Second North St
Administrative Building First Floor
Morristown, TN 37814

Illicit Discharge and Illegal Connection Investigation Process

This process should be followed for suspected illicit discharges or illegal connections.

When a complaint or other information is provided to Hamblen County from the public or from County employees, the building inspector, stormwater coordinator, and/or other designated County official should investigate the potential illicit discharge or illegal connection within one (1) working day or as soon as possible.

The inspection should be documented using the "Illicit Discharge Report" Form.

If there is no illicit discharge or illegal connection, this should be documented on the form and placed in the County's appropriate stormwater program files.

If there is an illicit discharge or illegal connection, action should be taken in accordance with the County's Enforcement Response Plan. The entire process from investigation through resolution should be well documented.



Hamblen County Planning Commission
 511 West Second North Street
 Morristown, TN. 37814
 Phone: 423-581-1373 / Fax: 423-587-7089

SW COMPLAINT OR INCIDENT REPORT FORM: Illicit Discharge

PROPERTY INFORMATION Residential Commercial Spill

Address:

Property Identification: District: Tax Map: Group: Parcel: Zone:

Subdivision: Lot:

Property Owner:

Owner's Mailing Address:

Contact Person/Phone:

()

Description of Violation

- Construction Activity-
- Hazardous Materials-
- Illegal Discharge-
- Illegal Connections-
- Industrial Activity/Hot Spot-
- Non-SW Discharge/Accidental Spill-

Field Review Notes

Referrals to additional enforcement departments

- Hamblen County Road Department-
- Community Service Department-
- Emergency Management Agency-
- Tennessee Department of Environment & Conservation-

Violation: Yes No Code or Resolution:

PERSON PROVIDING COMPLAINT INFORMATION

Name:				Phone:	
Address:					
Email address:					
Date of Complain:					
Follow up Date:					
Resolved Date:		Permit #		SW Year	Complaint #



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SW COMPLAINT OR INCIDENT REPORT FORM: Illicit Discharge PAGE 2

PROPERTY INFORMATION Residential Commercial

Address:

-Site Activities (Land Use)

-Ask the person if they have taken pictures or if they can take pictures? Yes/No

-Pictures attached

-Date of Illicit Discharge?

-Time?

-Duration?

-Is the discharge related to a accidental spill?

-Chemical name or identity (any description given) of any substance involved?

-Is the substance hazardous?

-Estimate of quantity spilled?

-Did the Illicit Discharge enter a water body (lake/stream/river/creek)?

-Which water body (if known)?

-Did the Illicit Discharge enter the storm drain system (manhole, catch basin, curb cut)? Yes/No

Referrals to additional enforcement departments

EMA-Emergency Management Agency: Yes/No

County staff involved with the review

Violation: Yes No

Code or Resolution:

PERSON PROVIDING COMPLAINT INFORMATION

Date of Complaint

Pictures Attached: Yes/No

Follow Date

Resolved Date

Complaint#



OFFICE OF PLANNING AND ZONING

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

8. Reviewing and Updating Stormwater Management Programs (Section 4.4)

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.

The Hamblen County Stormwater Department's overall assessment of our stormwater management program effectiveness is that there is room for improvement. With limited staff and resources it is difficult to dedicate the necessary time to ensure all facets of the stormwater program are not only met, but met with excellence. It is the Hamblen County Stormwater Department's intention to utilize the new part time employee to further the stormwater department. For the 2022-2023 reporting period, we hope to implement the following actions, depending on time and resources available to us:

- Engage with the Hamblen County School System for stormwater awareness
- Advertise the department/stormwater message with car cling stickers that encourage keeping drains clean
- With the purchase and set up of new tablets, we are now able to go out and map the culverts, catch basins, and drainage easements. We intend to add at least 100 new icons to the map in the next reporting cycle, as time and manpower allows.
- We will complete one presentation to the county commissioners on the importance of stormwater, especially as we have new representatives who have been voted in. We intend to complete this presentation no later than December 2022.
- Partner with College Square Mall for a rain barrel display and giveaway
- Present at 3 community meetings on the importance of stormwater
- Send out training material to hot spot locations with incentive to complete training (tbd)
- Send out information to landscaping companies on the importance of stormwater (ready to send)
- Support/promote any/all recycling events in Hamblen County.
 - Support the Hamblen County Home Hazardous Waste Event.
- Other efforts as time and resources allows

H A M B L E N C O U N T Y

**STORM
WATER**



D E P A R T M E N T

Don't let our hard work

Go down the drain

HAMBLEN COUNTY
STORM
WATER
DEPARTMENT

Designed by Joshua Murphy
at TCAI Morrilstown