



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

City of McMinnville

TNS 077623

Name of MS4

MS4 Permit Number

Nolan Ming

nming@mcminnvilletenn.com

Name of Contact Person

Email Address

931-473-1204

Telephone (including area code)

101 East Main Street P.O. Box 7088

Mailing Address

McMinnville

TN

37110

City

State

ZIP code

What is the current population of your MS4? 13,605

What is the reporting period for this annual report? From 7/1/15 to 6/30/16

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.  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  No
- C. What specific sources of these pollutants of concern are you targeting? \_\_\_\_\_
- D. Do you have discharges to any Exceptional TN Waters (ETWs) or Outstanding National Resource Waters (ONRWs)? If yes, please attach a list.  Yes  No
- E. Are you implementing additional specific provisions to ensure the continued integrity of ETWs or ONRWS located within your jurisdiction?  Yes  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  No
- B. Are any of the MS4 discharges or discharge-related activities likely to jeopardize any state or federally listed species?  Yes  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?  Yes  No
- B. Is your public education program targeting specific pollutants and sources of those pollutants, such as Hot Spots?  Yes  No
- C. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program? See attached report.

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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. N/a

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? N/a

G. Do you have a webpage dedicated to your stormwater program? If so, what is the link/URL: mcmiammilletenn.com/departments/planning-and-zoning/stormwater.php  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? Not known.

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? Not known.

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? 2

**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? 1

C. How many of these active sties did you inspect this reporting period? 1

D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? Bi-weekly

E. Do you prioritize certain construction sites for more frequent inspections?  Yes  No  
If yes, based on what criteria? Environmental sensitivity, and greater than one (1) acre.

**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). Greater than one (1) acre, environmental sensitivity
- 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. Sections 16-704, 16-705 & 16-707 of the McMinnville Municipal Code.
- F. How many development and redevelopment project plans were reviewed for this reporting period? 5
- G. How many development and redevelopment project plans were approved? 5
- H. How many permanent stormwater management practices/facilities were inspected? 5
- 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.) N/a
- 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.
- 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? \_\_\_\_\_
- C. Have standard operating procedures or BMP's been developed for all MS4 field activities? (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? Bi-weekly

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- F. On average, how frequently are catch basins and other inline treatment system cleaned out/maintained? Bi-weekly
- 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? N/a

### 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). None.  
 Changes to replace an ineffective or unfeasible BMP (Section 4.4.2b). None  
 Information (eg. additional acreage, outfalls, BMP's) on program area expansion based on annexation or newly urbanized areas. Newtown Annexations. Shapefile emailed to Richard Cochran on 12/29/2015.  
 Changes to the program as required by the division (Section 4.4.3).

### 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
Example: E. coli	2003	Weekly April–September	20

- 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 \_\_\_\_\_

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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>1</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative fines	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Stop Work Orders	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Civil penalties	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Criminal actions	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative orders	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Other _____	# _____	# _____	# _____		

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? Illicit Discharge.

### 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? \$0.00

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? \$5,000.00

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)? Two (2)

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

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
<u>Public Works Dept.</u>	<u>Catch basin and other in line treatment systems inspections.</u>	

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."*

Jimmy Haley Mayor  
Printed Name and Title

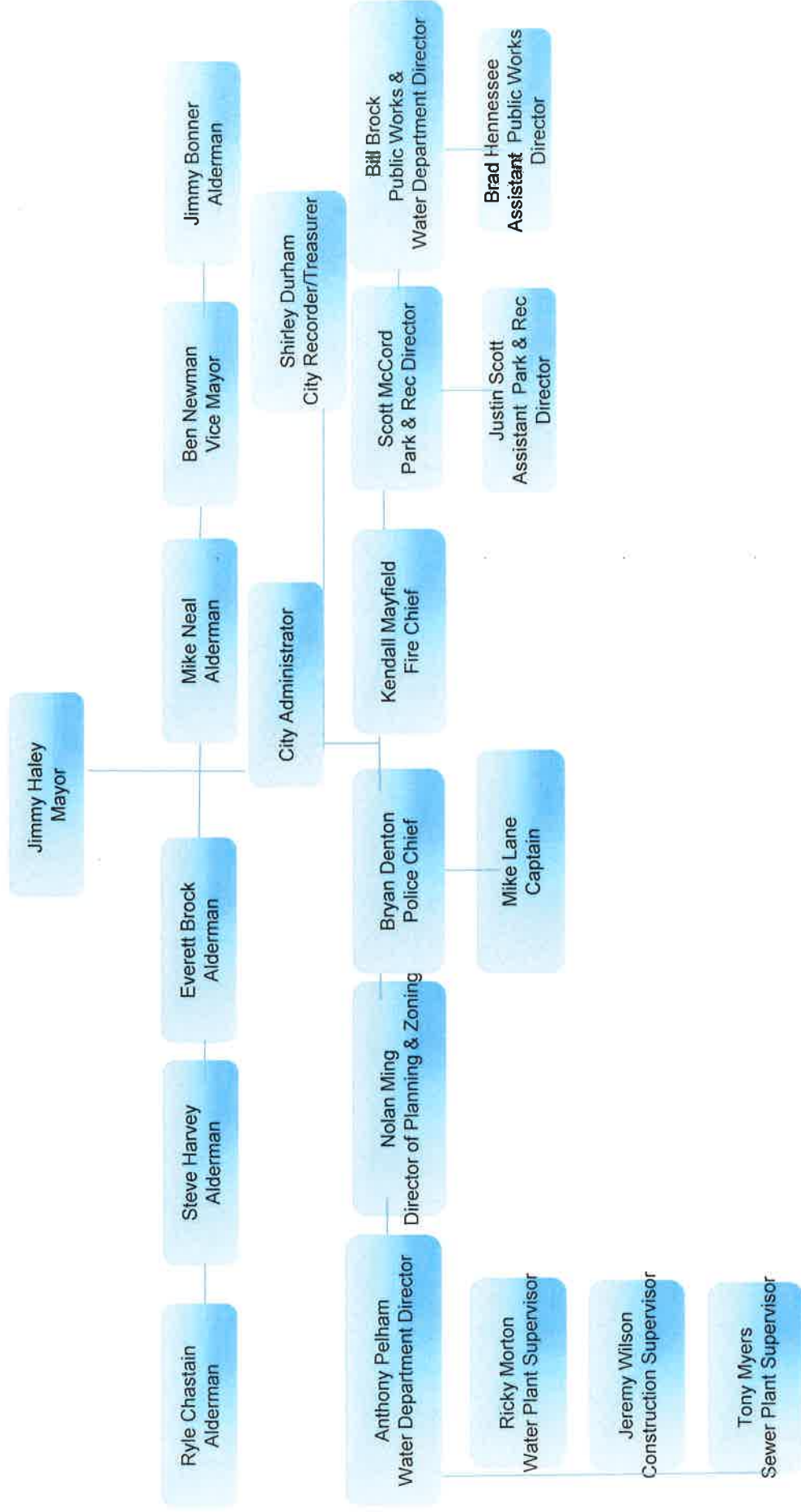
Jimmy Haley Mayor  
Signature

10.3.16  
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 McMinville Organization Chart



Updated 10/3/16

## **2015-2016 Public Education, Outreach, Involvement and Participation Activity Summary**

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**Item 1** Created website for MS4/Stormwater awareness and education.

[http://www.mcminnville.tenn.com/departments/planning\\_and\\_zoning/stormwater.php](http://www.mcminnville.tenn.com/departments/planning_and_zoning/stormwater.php)

**Item 2** Brochures targeting specific pollutants and sources that may cause or contribute to impairment.

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Our Landscaping, Gardening & Pest Control brochure targets soils, yard wastes, over watering, and garden chemicals such as fertilizers, pesticides and herbicides; with information on keeping the pollutants out of our water bodies, with alternatives to common chemicals and with proper disposal procedures for these pollutants. This brochure is targeted to homeowners, gardeners, landscapers and pest control companies.

Our Food Service Industry brochure targets oil, grease, trash and cleaning chemicals; with information on minimizing wastes, recycling wastes, oil/water separators, and employee education. This brochure is targeted to restaurants, grocery/convenience stores, bakeries, food producers and distributors.

Our Automotive Maintenance & Car Care brochure targets oil, grease, antifreeze, asbestos, zinc, and organic compounds and metals from spilled fuels; with information on non-toxic cleaning products, spill response, automotive fluid disposition, vehicle washing practices, recycling of wastes, vehicle fueling practices and employee education. This brochure is targeted to gas stations, auto repair shops, auto body shops, car dealerships, fleet managers & fleet washing businesses.



Our Heavy Equipment & Earth Moving Activities brochure targets erosion and sediment control, cleaning solvents, cement washout, asphalt and vehicle fluid leaks and spills; with information on general business practices, spill response, vehicle and equipment maintenance and erosion and sediment control. This brochure is targeted to site supervisors, earth moving equipment operators, dump truck drivers, general contractors, home builders and developers.

Our Detention Pond Maintenance brochure targets commercial, industrial and residential detention pond owners with information on proper maintenance of detention ponds and sand filters.

Our Home Repair & Remodeling brochure targets hazardous waste disposal, concrete and masonry wastes, oils & grease disposal, painting wastes, landscaping & gardening wastes and chemicals and erosion control; with information on proper disposal and work practices to minimize pollutants from these activities. This brochure is targeted to homeowners, do-it yourselves, and contractors for home repair and remodeling.

Our Swimming Pool Guidance is targeted to pool owners and pool maintenance companies to inform them of the proper disposal of chlorinated and non-chlorinated pool disinfectant disposal.

Our Storm Drains Are for Rain brochure is targeted to the general public and informs people about the need to keep yard wastes, fertilizers, pesticides, herbicides, fungicides, insecticides, litter, automobile fluids and animal wastes out of our stormwater.

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Item 3 Attended River Cleanup Event where we provided brochures and other information related to MS4/Stormwater mgmt

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Item 4 Updated our GIS system with Stormwater facility attributes.

### Cordell Hull Watershed

This basin contains the following USGS Hydrologic Unit Codes: 05130106 (Cordell Hull Lake).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130106 007-0500 & 0550	FLAT CREEK	Overton	23.6	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130106 007-0700	CARR CREEK	Overton	4.5	Low dissolved oxygen L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN05130106 007-0710	TOWN CREEK	Overton	6.2	Total Phosphorus Nitrate+Nitrite Low dissolved oxygen Escherichia coli NA	Collection System Failure Urbanized High Density Area	Category 5. EPA approved a TMDL that addresses some of the known pollutants.
TN05130106 008-1000	BLACKBURN FORK	Jackson	15.9	Escherichia coli NA	Undetermined Source	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130106 010-2000	SPRING CREEK	Putnam Overton	20.7	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130106 018-2000	MILL CREEK	Overton	2.95	Flow Alteration NA	Upstream Impoundment	Category 4C. (Impairment not caused by a pollutant.)

### Collins River Watershed

This basin contains the following USGS Hydrologic Unit Codes: 05130107 (Collins River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130107 002 – 1000	MOUNTAIN CREEK	Warren Cannon	6.92	Loss of biological integrity due to siltation Nitrate+Nitrite NA L	Specialty Crop Production	Category 5. EPA approved a siltation TMDL that addresses some of known pollutants.
TN05130107 004 – 0100	HICKORY GROVE BRANCH	Warren	10.99	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Specialty Crop Production Pasture Grazing	Category 4A. Impaired, but EPA approved siltation/habitat alteration TMDLs that address the known pollutants.
TN05130107 006 – 0700	OAKLAND BRANCH	Warren	6.3	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Flow Alteration NA NA	Land Development Discharges from MS4 area Upstream Impoundment	Category 4A. Impaired, but EPA approved siltation/habitat alteration TMDLs that address the known pollutants. Flow alteration is 4c (impacts not caused by a pollutant.)