



**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)

**Municipal Separate Storm Sewer System (MS4) Annual Report**

**1. MS4 INFORMATION**

Montgomery County, TN TNS075621

Name of MS4 MS4 Permit Number

John H Doss jhdoss@mcgtn.net

Name of Contact Person Email Address

931-648-5718

Telephone (including area code)

350 Pageant Lane, Suite 309

Mailing Address

Clarksville TN 37040

City State ZIP code

What is the current population of your MS4? 44,303 (Census Estimate)

What is the reporting period for this annual report? From 9/1/2015 to 8/31/2016

**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?  Yes  No

B. If yes, please attach a list all impaired waters within your jurisdictional area.

C. 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

D. Does your MS4 discharge 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. Have you developed a Public Information and Education plan (PIE)?  Yes  No

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

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C. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program?  
Concrete waste; pool and spa chemicals; fats, oil and grease; household hazardous materials; medications; car washing; lawn chemicals

D. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period. Successful outcomes relatable to the education program are difficult to determine because the program is limited in scope to the relatively small urbanized areas of the County and mainly consists of information promulgated on the stormwater program website and small public informational meetings

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?  
Announcements are posted in the public areas of all County offices. Notices for events that involve changes to the regulations are published in the notices section of the local news paper. Notices are placed on County website public event calandars.

G. Do you have a webpage dedicated to your stormwater program?  Yes  No  
 If so, what is the link/URL: . http://www.mcgtn.org/stormwater

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? 320

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

F. What is your frequency for screening outfalls for illicit discharges? Outfalls are visually screened during routine area visits conducted for other purpose (complaint investigations, etc.)

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

H. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? 0

I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? N/A

### 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?49

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- C. How many of these active sites did you inspect this reporting period? 49
- D. On average, how many times each, or with what frequency, were these sites inspected Monthly  
(e.g., weekly, monthly, etc.)?
- E. Do you prioritize certain construction sites for more frequent inspections?  Yes  No  
If Yes, based on what criteria? Sites with previous violations of the stormwater regulations; sites or operations that have a potential for serious environmental damage; sites with special environmental considerations (wetlands, waterways, etc.)
- 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 re-development projects?  Yes  No
- Maintenance of stormwater management controls?  Yes  No
- Retrofitting of existing BMPs with green infrastructure BMPs?  Yes  No
- B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc.) One acre or greater of disturbed area
- 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 pre-development 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.  
<http://www.mcgtm.org/stormwater/forms>
- F. How many development and redevelopment project plans were reviewed for this reporting period? 17
- G. How many development and redevelopment project plans were approved? 18
- H. How many permanent stormwater management practices/facilities were inspected? Inspections are a regular, ongoing process throughout the MS4. Because most inspections are associated with either project EPSC inspections or due to a complaint, no differentiated tracking method is currently in use to collect this data separately.
- I. How many were found to have inadequate maintenance? 10
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify) 9 have been completed within 30 days; 1 is an ongoing remediation process.
- K. How many enforcement actions were taken that address inadequate maintenance? 10 notices of violations were issued this reporting period.
- L. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance?  Yes  No

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- 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 redeveloped sites?  Yes  No
- O. How many maintenance agreements has the MS4 approved during the reporting period? 8

### 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
1. If Yes, at what frequency are inspections conducted? Inspection are conducted by on-site personnel quarterly
- C. Have standard operating procedures or BMPs 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? Structures within the highway right of way are inspected as per Montgomery County Highway Department policies.
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? Structures within the highway right of way are maintained as per Montgomery County Highway Department policies.
- 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? Applicable Individual County Departments are required to train employees on a yearly basis.

### 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 4.4.2.b). None

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Information (e.g. additional acreage, outfalls, BMPs) on program area expansion based on annexation or newly urbanized areas. None

Changes to the program as required by the division (Section 4.4.3). None

### 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
<i>Example: E. coli</i>	2003	Weekly April–September	20
No program indicators are monitored at this time due to resource restraints			

- 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 control practices. No data has been collected due to resource restraints.

### 12. ENFORCEMENT (SECTION 4.5)

- 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>270</u>	# <u>9</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative fines	#_____	#_____	#_____	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Stop Work Orders	#_____	#_____	#_____	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Civil penalties	#_____	#_____	#_____	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Criminal actions	#_____	#_____	#_____	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative orders	#_____	#_____	#_____	<input type="checkbox"/> Yes	<input checked="" 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? Sediment release, trash control, BMP maintenance

### 13. PROGRAM RESOURCES (OPTIONAL)

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- A. What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period? The Montgomery County budget for MS4 NPDES Permit implementation is an integral part of the Montgomery County Building and Codes Department budget and is not tracked separately.
- B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? The Montgomery County budget for MS4 NPDES Permit implementation is an integral part of the Montgomery County Building and Codes Department budget and is not tracked separately.
- 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)? 2
- 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

### 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."*

Jim Durrett MONTCO Mayor  
Printed Name and Title

  
Signature

9/22/16  
Date

**Annual reports must be submitted in accordance with the requirements of Section 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by September 30 of each calendar year, as shown in the table below:**

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	540 McCallie Avenue STE 550	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015

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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

2016 Annual MS4 Report: Montgomery County TN. Impaired streams as per the TN 2014 303(d) List

Waterbody I.D. #	Impaired Water	Cause/TMDL Priority	Approved TMDL	MS4 Assigned to WLA
TN05130205015 - 1000	Barkley Reservoir (Appendix A 303(d))	Industrial Thermal Discharges	Study Required (Thermal) as per 2014 303d	No
TN05130205015T - 1910	Antioch Creek (Appendix A 303(d))	Alteration in stream side littoral vegetation; Loss of biological integrity due to siltation; Physical substrate alterations	No	No
TN05130205038 - 2000	Big McAdoo Creek	Loss of biological integrity due to siltation; Nutrients; Escherichia Coli	No	No
TN05130205038 - 0100	Little McAdoo Creek (Appendix A 303(d))	Escherichia Coli	No	No
TN05130205110 - 0300	Bartee Branch	Low Dissolved Oxygen; Flow Alterations	No	No
TN05130205015T - 1900	Budd's Creek (Appendix A 303(d))	Riparian alteration; siltation; Physical Substrate Habitat Alterations	No	No
TN05130205020 - 1000	East Fork Yellow Creek	Alteration in stream-side or littoral vegetative cover. Loss of biological integrity due to siltation. Escherichia coli	No	No
TN05130206002 - 1000	Red River (2.4 miles)	Loss of biological integrity due to siltation; Escherichia coli; Other Habitat Alterations; Nutrients	Yes (See note 1)	No
TN05130206002 - 2000	Red River (22.9 miles)	Nitrates	Yes (See note 1)	No
TN05130206002 - 3000	Red River (17.5 miles)	Nitrates	Yes (See note 1)	No
TN05130205015T - 1100	Wall Branch	Loss of biological integrity due to siltation; Nitrate+Nitrite	Yes (See note 2)	No
TN05130206039 - 0100	Spring Creek (8.9 Miles)	Loss of biological integrity due to siltation; Total Phosphorus; Nitrate+Nitrite	No	No
TN05130206039 - 0110	Unnamed Trib to Spring Creek (5.38 Miles)	Alteration of stream-side or littoral vegetation; Total Phosphorus	No	No
TN05130206039 - 0150	Spring Creek (22.5 Miles)	Loss of biological integrity due to siltation; Total Phosphorus; Nitrate; Nitrite; Alteration of stream-side or littoral vegetation	No	No
TN05130205024-0700	Louise Creek	Alteration in stream-side or littoral vegetative cover. Loss of biological integrity due to siltation	No	No
TN05130205015T-1100	Wall Branch (4.8) (Appendix A 303(d))	Loss of biological integrity due to siltation; Nitrate+Nitrite	No	No
TN05130205024 - 0600	Little Bartons Creek (Appendix A 303(d))	Escherichia coli	No	No

Note 1: The Red River has been assigned an EPA approved TMDL. The vast majority of the Red River watershed associated with Montgomery County (excluding the Clarksville, TN MS4) is in areas subject to agricultural non-point sources and is not being addressed as part of the Montgomery County MS4 NPDES Permit Program.

RE 2016\_Endangered\_Species.txt

From: Alexander, Steven [steven\_alexander@fws.gov]  
Sent: Monday, August 22, 2016 11:08 AM  
To: John Doss  
Cc: Rod C. Streeter; Robert Karesh; Ann Morbitt; Rob Todd  
Subject: Re: Endangered Species  
Attachments: 79 FR 50990 Final CH P. globosa.pdf; Short's Bladderpod Map.pdf

Mr. John H. Doss, Coordinator  
Montgomery County Storm Water Management Program  
350 Pageant Lane, Suite 309  
Clarksville, Tennessee 37040

Re: FWS #16-EC-0157

Dear Mr. Doss:

Thank you for your e-mail and associated information received August 1, 2016, regarding reporting requirements for the Montgomery County, Tennessee, MS4 permit (TNS075621). U.S.

Fish and Wildlife Service personnel have reviewed your request for technical assistance and supplemental program narrative. We offer the following comments.

Review of our endangered species database indicates that the federally endangered gray bat (*Myotis grisescens*), Indiana bat (*Myotis sodalis*), Short's bladderpod (*Physaria globosa*), and federally threatened northern long-eared bat (*Myotis septentrionalis*) and Price's potato-bean (*Apios priceana*) may occur within the jurisdictional boundaries of the Montgomery County stormwater management program. Critical habitat was also designated for Short's bladderpod in Montgomery County in 2014. I've attached the Federal rule and a map for this species.

The Indiana bat and northern long-eared bat may utilize suitable roost trees along streams in proposed development areas. A candidate species, Coleman Cave beetle (*Pseudanophthalmus colemanensis*), may also occur within the jurisdictional boundaries of the Montgomery County stormwater management program. We appreciate the efforts of Montgomery County's stormwater management program in helping to ensure that the quantity and quality of stormwater discharges from development activities in upland areas protect the water quality of the receiving

RE 2016\_Endangered\_Species.txt

streams within your jurisdictional boundaries and in downstream areas. These efforts will also benefit the species listed above.

Thank you for the opportunity to comment. If you have any questions, please contact me at 931/528-6481, ext. 210, or via e-mail at [steven\\_alexander@fws.gov](mailto:steven_alexander@fws.gov).

Sincerely,

On Mon, Aug 1, 2016 at 4:06 PM, John Doss <[jhdoss@mcgtn.net](mailto:jhdoss@mcgtn.net)> wrote:  
Mr. Alexander,

As you know, part of our MS4 Annual Report to TDEC requires us to evaluate the potential impact of the MS4s runoff on endangered species. I have attached the information that you requested for your last evaluation.

Please keep in mind that the County program only encompasses the areas of Montgomery County outside the jurisdictional boundaries of the city of Clarksville, and Ft. Campbell.

Also keep in mind the outfall list is incomplete because our mapping program has not completely finished mapping all outfalls in the County.

Please feel free to contact me with any questions.

Thanks in advance for your help in this matter,

John H. Doss  
Montgomery County Stormwater Coordinator  
350 Pageant Lane, Suite 309  
Clarksville, TN 37040  
Phone: 931-648-5718  
Fax: 931-553-5121

[jhdoss@mcgtn.net](mailto:jhdoss@mcgtn.net)

Stormwater Program Information

Think Green: Only print this e-mail and any attachment if necessary.

This message and any attachments may contain confidential and/or proprietary information and is intended for

the person/entity to whom it was originally addressed. Any other use or dissemination is prohibited.

RE 2016\_Endangered\_Species.txt

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## BUILDING AND CODES DEPARTMENT

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931-553-5121

2016 Montgomery County TN MS4 Organizational Chart: as of 8/31/2016:

