



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

City of Morristown TNS076031

Name of MS4 MS4 Permit Number

Jim Whitbeck, P.E. jwhitbeck@mymorristown.com

Name of Contact Person Email Address

(423) 353-1055

Telephone (including area code)

PO Box 1499

Mailing Address

Morristown TN 37816-1499

City State ZIP code

What is the current population of your MS4? 29,478

What is the reporting period for this annual report? From 7/1/15 to 6/30/16 (Year 5 of 2010 Permit Cycle; NOC dated 6/15/11)

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.
- 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? See Attached

D. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period. See Attached

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? See Attached

G. Do you have a webpage dedicated to your stormwater program? ☒ Yes ☐ No

If so, what is the link/URL:

http://www.mymorristown.com/departments/public_works/stormwater/index.php

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? 246

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? Once per permit cycle

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)? 6

I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? 6

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? 22

C. How many of these active sites did you inspect this reporting period? 22

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

E. Do you prioritize certain construction sites for more frequent inspections? ☒ Yes ☐ No

If Yes, based on what criteria? Disturbed area, contractor history

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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? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Maintenance of stormwater management controls? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Retrofitting of existing BMPs with green infrastructure BMPs? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
- B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc.) All projects thru April 2016; projects disturbing equal to or greater than 1 acre, or adding greater than 0.5 acre impervious beginning in May 2016 (change resulted from ordinance revision)
- 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 | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Peak discharge rates | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Discharge frequency | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Flow duration | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
- E. Please provide the URL/reference where all permanent stormwater management standards can be found.
http://www.mymorristown.com/departments/public_works/stormwater/plan_submittal.php#
- F. How many development and redevelopment project plans were reviewed for this reporting period? 53
- G. How many development and redevelopment project plans were approved? 48
- H. How many permanent stormwater management practices/facilities were inspected? 15
- 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 redeveloped sites? ☐ Yes ☒ No
- O. How many maintenance agreements has the MS4 approved during the reporting period? 15

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. Pending issuance of MS4 General Permit to determine requirements and develop schedule

9. STORMWATER MANAGEMENT FOR MUNICIPAL OPERATIONS (SECTION 4.2.6)

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- A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:
- | | | |
|---|---|-----------------------------|
| All parks, ball fields and other recreational facilities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal turf grass/landscape management activities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal vehicle fueling, operation and maintenance activities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal maintenance yards | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal waste handling and disposal areas | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
- B. Are stormwater inspections conducted at these facilities? ☒ Yes ☐ No
1. If Yes, at what frequency are inspections conducted? per SWPPP/SOP
- 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? See Attached
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? See Attached
- 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? Annually

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). N/A
- Changes to replace an ineffective or unfeasible BMP (Section 4.4.2.b). See Attached
- Information (e.g. additional acreage, outfalls, BMPs) on program area expansion based on annexation or newly urbanized areas. 40.07 acres annexed
- Changes to the program as required by the division (Section 4.4.3). N/A

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
Stream Assessment	2012	Once per permit cycle	All Outfalls

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- 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. N/A

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>0</u>	# <u>0</u>	# <u>2</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative fines	# <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
Civil penalties	# <u>0</u>	# <u>0</u>	# <u>1</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Criminal actions	# <u>0</u>	# <u>0</u>	# <u>0</u> (See Attached)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Administrative orders	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Other <u>Show Cause Hearings</u>	# <u>0</u>	# <u>0</u>	# <u>0</u>		

- B. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions in your jurisdiction? ☒ Yes ☐ No
- C. What are the 3 most common types of violations documented during this reporting period? sediment in street, rerouting of drainage, BMP maintenance

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? \$1,765,519
- B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? \$1,696,500
- C. Do you have an independent financing mechanism for your stormwater program? ☒ Yes ☐ No
- D. If so, what is it/are they (e.g., stormwater fees), and what is the annual revenue derived from this mechanism?
 Source: Stormwater Utility Fees Amount \$1,505,000
 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)? 3 (See Attached)

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

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
Keep Morristown-Hamblen Beautiful	Public Education and Public Participation	Review KMHB Documentation

G. Please attach a copy of your Organizational Chart

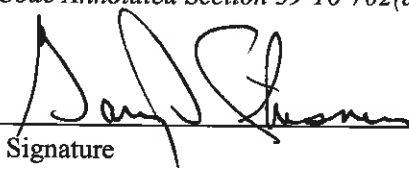
14. CERTIFICATION

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."

Gary D. Chesney - Mayor

Printed Name and Title



Signature

9/29/16

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	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) 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 Morristown

Attachment to Small Municipal Separate Storm Sewer System (MS4) Annual Report 2015-2016 Reporting Year

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

Impaired Waters with Discharges from MS4 (based on Proposed Final 2014 303(d) List, downloaded from TDEC website on 7/26/16).

<i>River Basin</i>	<i>Waterbody ID#</i>	<i>Cause</i>	<i>TMDL Approved?</i>	<i>TMDL Pollutant</i>
Holston	TN06010104004–2000 ¹ Cherokee Reservoir (Upper)	Mercury	No	N/A
Holston	TN06010104004T–1900 Fall Creek	Nitrate+Nitrite; Total Phosphorus; Alteration in stream-side or littoral vegetative cover; Loss of biological integrity due to siltation; Escherichia coli	No	N/A
Holston	TN06010104004T–2300 Turkey Creek ²	Loss of biological integrity due to siltation; Alteration in stream-side or littoral vegetative cover; Escherichia coli	Yes	E. Coli
Nolichucky	TN06010108001–0100 Flat Creek	Escherichia coli	Yes	E. Coli
Nolichucky	TN06010108001–1000 Nolichucky River	Loss of biological integrity due to siltation	Yes	Siltation / Habitat Alteration
Nolichucky	TN06010108043–0400 Cedar Creek	Alteration in stream-side or littoral vegetative cover; Loss of biological integrity due to siltation	Yes	Siltation / Habitat Alteration
Nolichucky	TN06010108043–1000 Long Creek	Escherichia coli	Yes	E. Coli
<p>Notes</p> <p>¹ Exact location could not be determined from TDEC GIS mapping, so positive determination of whether the water is in MS4 jurisdiction could not be made. Therefore, water is included on list.</p> <p>² Waterbody ID# is listed as TN06010104004T–2100 in TMDL.</p>				

3.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.*

US FWS consultation was received on September 19, 2016, and states: “Review of our endangered species database indicates that no federally listed or proposed endangered or

threatened species occur within the jurisdictional boundaries of the City of Morristown's stormwater management program." (see attached e-mail)

4.C *If yes, what are the specific causes, sources and/or pollutants addressed by your public education program?*

Specific causes which are targeted include litter and recycling, household hazardous waste, and BOPAE (batteries, oil, paint, antifreeze, and electronics). Targeted education includes several newspaper articles on these topics.

4.D *Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.*

Keep Morristown-Hamblen Beautiful (KMHB) performs most of the City's education efforts. They collected the data in the following table using the standards of Keep America Beautiful. The data show an overall increase in the Community Appearance Index, with less litter reported in 1 of the 8 areas but increased amounts in 7 areas.

KMHB Community Appearance Index

Area #	Location	2014-2015	2015-2016	Change
1	Court House	1.70	1.82	+7%
2	Meadowview School	1.60	2.35	+47%
3	East High School	1.40	1.58	+13%
4	West High School	1.20	1.88	+57%
5	Economy Road	1.50	1.28	-15%
6	Fairview School	1.50	1.79	+19%
12	Alpha School	1.70	1.83	+8%
14	Manley School	1.60	2.00	+25%
Average:		1.53	1.82	19%

Note: Scores range from 1 to 4, with lower numbers indicating less litter.

Note that the Community Appearance Index accounts for illegal signs and graffiti as well as litter, so it is possible that these items have contributed to an increase in the Index.

A list of the most heavily littered areas in the Index will be forwarded to the Litter Crew manager for increased pick-ups.

KMHB advertises for and coordinates volunteers for several events waste collection events each year. As an example, a BOPAE (batteries, oil, paint, antifreeze, and electronics) collection in September collected 13,865 pounds of these items. KMHB also sponsored a Household Hazardous Waste Collection in October. 862 pounds of materials were collected from 54 participants.

Another example is the Great American Cleanup event each spring. One event was the Cherokee Lake cleanup, where 53 volunteers gave 192 hours and collected 4,840 pounds of litter along the shoreline and islands.

4.F How do you facilitate, advertise, and publicize public involvement and participation opportunities?

The City maintains a website which lists public involvement and participation opportunities.

The required public hearing of the Annual Report is advertised in the local newspaper at least 10 days prior to the hearing, with notice also posted on the City's Facebook page and website. The draft Report is posted on the website, and copies are available by request for public review and comment prior to the hearing. Comments are accepted via e-mail, telephone, and mail.

Keep Morristown-Hamblen Beautiful maintains a website with contact information and information on the programs they implement on behalf of the City. They utilize Facebook and local media (newspaper, radio stations, and TV cable channel 7) to notify the public about upcoming events, how-to's, recycling and litter prevention tips, and ways to participate. Twitter is used to relay information and photos of volunteers actively working on projects, to increase awareness of events, and to share educational information.

4.H Are you tracking and maintaining records of public education, outreach, involvement and participation activities? Please attach a summary of these activities.

The City advertised the public hearing on this Annual Report as described in Section 4.G. The hearing was held on September 22, 2016, from 5:00 pm until 6:00 pm at City Center. There were no participants from the public.

At least seven articles appeared in the local newspaper, the *Lakeway Citizen Tribune*, related to the City's stormwater program. Topics include litter prevention, opportunities to volunteer for clean-ups, BOPAE (batteries, oil, paint, antifreeze, and electronics) collection, and HHW (household hazardous waste) collection.

Keep Morristown-Hamblen Beautiful (KMHB) implements most of the City's education efforts. KMHB partnered with the City of Morristown and Hamblen County, 1 environmental organization, 9 businesses, 1 church, all public schools, 1 federal and 1 state government agency, and 4 civic organizations. Overall, 141 volunteers gave their time to provide education or directly to performing clean-ups and other activities.

The City's education efforts focus largely on children. One example is Soil Conservation Days, where 697 children and over 100 adult chaperones and 9 volunteers saw the "Freddie the Fish" presentation about the harm from water pollution. The "Waste in Place" program promotes litter prevention, recycling, and an integrated approach to solid waste management. This program reached 1,516 students and included 14 litter pick-ups which collected 280 pounds of trash. 135 students from 9 schools reused what would have been trash to create projects for the "Funky Art Program." 541 students were reached by the "recycling" message of this program.

The City also targeted City employees and the public with general information about stormwater pollution prevention. The EPA brochure "Make Your Home the Solution to Stormwater

Pollution” was distributed with City paychecks in July. The same brochure was also provided to all participants of a tire collection event in June.

8.A *Is a completed copy of the EPA Water Quality Scorecard submitted with this report?*

Section 4.2.5.3 requires that the EPA Water Quality Scorecard be completed within 12 months of the Notice of Coverage and submitted with the subsequent Annual Report. This requirement was met with the 2011-2012 Annual Report. A copy of the completed Scorecard is included in the City’s Stormwater Management Plan (SWMP).

9.E *On average, how frequently are catch basins and other inline treatment systems inspected?*

Catch basin grates are inspected every other week by the crews running the brush truck routes, and once approximately every five weeks by the crews running the street sweepers. Grates which are known to be prone to clogging are typically checked prior to each rain event. Catch basin interiors are inspected upon receipt of a complaint from the public or a city employee.

Catch basin inserts at the Public Works Maintenance Facility are inspected at least quarterly, and more often if heavier-than-normal precipitation has occurred.

9.F *On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained?*

Catch basin grates are cleaned immediately when a problem is discovered during the brush truck collection route or the street sweeper routes (See Item 9.E). If the route driver cannot address the issue, it is reported to the Public Works department and addressed as soon as possible. Additional personnel are assigned to inspect and clean grates when heavy rain is forecast.

Catch basin interiors are cleaned and maintained when an issue is discovered.

Catch basin inserts at the Public Works Maintenance Facility are cleaned as soon as possible after inspections reveal a need.

10.A *Changes adding (but not subtracting or replacing) components, controls or other requirements (Section 4.4.2.a).*

The Milestones below are all associated with requirements from the 2010 Permit which were to be implemented in Year 4. Since TDEC granted the City an extension of one year for implementing the runoff reduction requirements since we are considering using the Tennessee Permanent Stormwater Management and Design Guidance Manual, the milestones listed below were revised to Year 5 in last year’s annual report. However, a memo from TDEC dated January 19, 2016, postponed the implementation to October 31, 2016. Given the uncertainty of the timing of the implementation, the milestones below will not be updated until the permit is issued.

Note that the Milestone for BMP 4G, Year 4 was not moved to Year 5 in last year’s Annual Report due to an oversight. That error has been corrected below.

BEST MANAGEMENT PRACTICES FOR PUBLIC EDUCATION AND PUBLIC PARTICIPATION	
BEST MANAGEMENT PRACTICES FOR PERMANENT (POST-CONSTRUCTION) STORMWATER MANAGEMENT PROGRAM	
BMP 4A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Continue implementation of Post-Construction Stormwater Management Program. Revise as needed to meet requirements of CAP and new permit.
Milestone Year 5	Continue implementation and revise to meet the requirements of the new permit.
BMP 4B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Implement and enforce a Post-Construction Stormwater Management Ordinance.
Milestone Year 5	Continue enforcement of Ordinance and revise to meet the requirements of the new permit.
BMP 4D	MEASURABLE GOALS AND MILESTONES
Goal(s)	Review and update codes and ordinances as necessary to insure they provide a reasonable suite of stormwater management options.
Milestone Year 5	Review and update codes and ordinances where necessary. (within 48 months of NOC + 12 month TDEC extension)
BMP 4F	MEASURABLE GOALS AND MILESTONES
Goal(s)	Update existing BMP Maintenance Agreement to meet requirements of new permit.
Milestone Year 5	Update BMP Maintenance Agreement. (within 48 months of NOC + 12 month TDEC extension)
BMP 4G	MEASURABLE GOALS AND MILESTONES
Goal(s)	Revise existing Water Quality Buffer Zone Ordinance to meet requirements of new permit.
Milestone Year 5	Revise existing Water Quality Buffer Zone Ordinance to meet requirements of new permit. (within 48 months of NOC + 12 month TDEC extension)
BMP 4H	MEASURABLE GOALS AND MILESTONES
Goal(s)	Revise Post-Construction Stormwater Management Program, including Ordinance, Policies, and/or Guidance Materials, as required by the new permit to include runoff reduction.
Milestone Year 5	Revise Program as required by the new permit to include runoff reduction. Evaluate optional alternatives and implement if the City decides to allow them. (within 48 months of NOC + 12 month TDEC extension)

- 12.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:

Criminal actions: The City has authority for criminal actions related to Illicit Discharges only.

- 13.A *What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period?*

The total amount of \$1,765,519 includes \$1,345,079 from the Stormwater Utility Fund and \$420,440 from the Stormwater Capital Improvements Program (CIP). The source of funding for the CIP is a \$5 million bond issue in FY 2012, which is being retired through the Stormwater Utility Fund.

13.B What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP?

The total projection of \$1,696,500 includes \$1,505,000 budgeted to the Stormwater Utility Fund and \$191,500 estimated for the Stormwater Capital Improvements Program. The source of funding for the CIP is from a \$5 million bond issue, which is being retired through the Stormwater Utility Fund. The proposed \$191,500 will exhaust the funds from the bond issue.

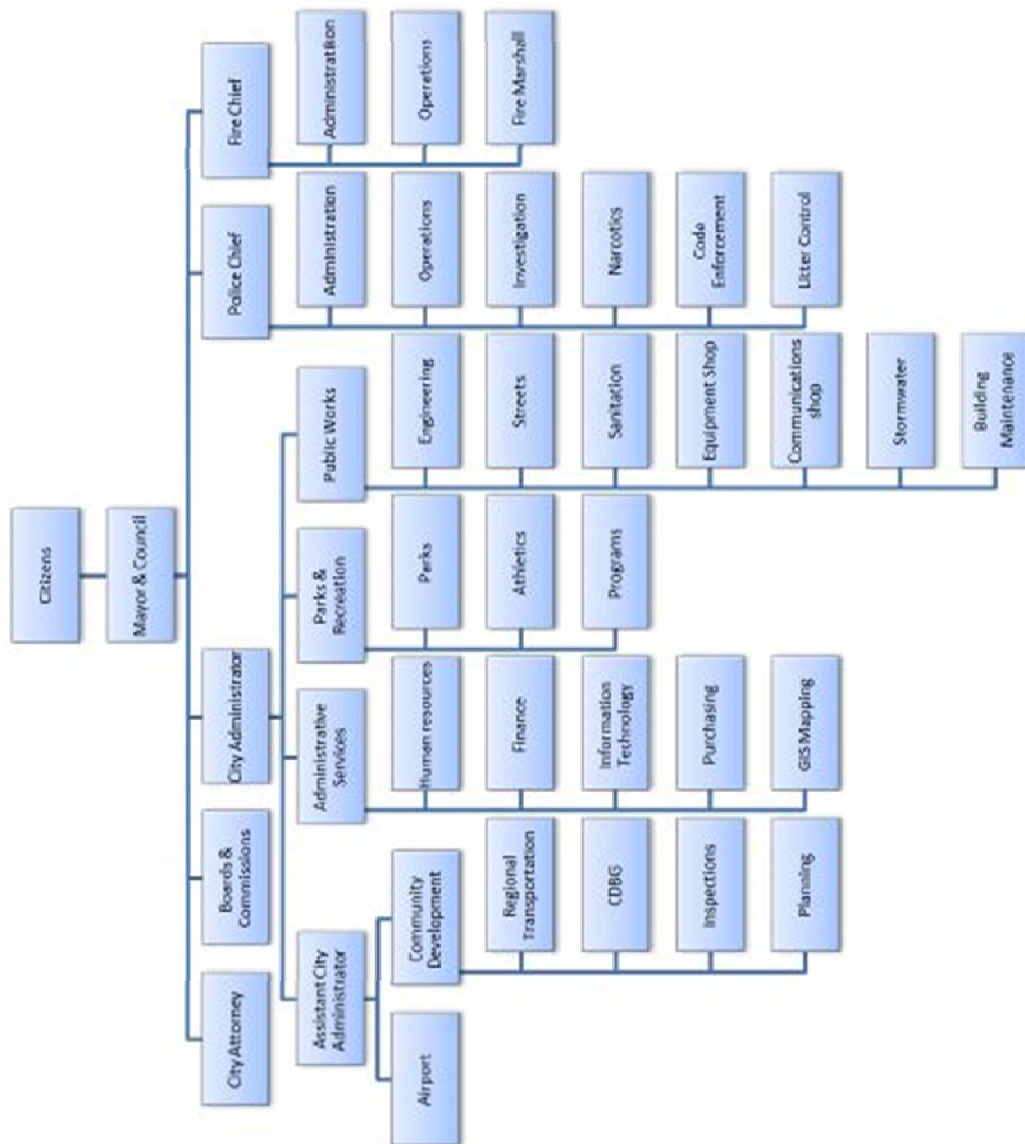
13.E How many full time employees does your municipality devote to the stormwater program (specifically for implementing the stormwater program vs. municipal employees with other primary responsibilities that dovetail with stormwater issues)?

The City now budgets three personnel solely to the stormwater program full time to perform maintenance, with another "1.2" persons budgeted to overall management. However, many other personnel in Public Works contribute as needed. In particular, members of the Engineering Department devote a significant amount of time to the stormwater program. In addition, Buddy Fielder, Assistant City Administrator, has been designated as the Stormwater Program Manager by the City Administrator.

13.G Organizational Chart

Note: The Stormwater Program is overseen by the Engineering Dept.

City – Wide Organization Chart



Additional Attachments

- Determination of the Effect of the MS4 Discharges from US FWS

James Whitbeck

From: Alexander, Steven <steven_alexander@fws.gov>
Sent: Monday, September 19, 2016 10:44 AM
To: James Whitbeck
Cc: Rob Todd; Robert Karesh
Subject: City of Morristown MS4 Permit TNS076031

Mr. Jim Whitbeck, P.E.

City of Morristown Stormwater Program

100 West 1st North Street

Morristown, Tennessee 37814

Re: FWS #16-EC-0169

Dear Mr. Whitbeck:

Thank you for your e-mail sent July 28, 2016, regarding compliance with the Tennessee Department of Environment and Conservation (TDEC) Notice of Coverage annual reporting requirements for the City of Morristown's MS4 permit (TNS076031) stormwater management program in Hamblen County, Tennessee. U.S. Fish and Wildlife Service (Service) personnel have reviewed your request for technical assistance and offer the following comments.

Review of our endangered species database indicates that no federally listed or proposed endangered or threatened species occur within the jurisdictional boundaries of the City of Morristown's stormwater management program. As we requested last year, additional information is needed for a specific determination that can be utilized in an official MS4 annual report to TDEC. The Service has been actively working with TDEC regarding minimum information and data needs for assessing the efficacy of the various components of a municipality's stormwater management program and the specific annual reporting requirements related to endangered species act compliance within MS4 permits. Relevant information and data utilized for those assessments could include, but are not limited, to the following:

- A synopsis of current regulations in place pertaining to stream buffer zones, pollution control plans for developments, fees and construction inspections, etc.
- A simple tabular matrix that outlines the number of inspections conducted, number of corrective actions taken, and number/type of corrective actions implemented for the reporting period
- An inventory of the number of discharges within your jurisdictional boundaries with coordinates and relevant assessment/survey data, and

- Spatial data (e.g., location/acreage/other attributes) of development sites generated by the public works department utilized in your stormwater management program.

We can fully evaluate the efficacy of the City of Morristown's stormwater management program upon receipt of this information. Thank you for the opportunity to comment. If you have any questions, please contact me 931/528-6481, ext. 210, or via e-mail at steven_alexander@fws.gov.

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Steven R. Alexander

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