



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: City of Goodlettsville		MS4 Permit Number: TNS075345
Contact Person: Warren Garrett		Email Address: wgarrett@goodlettsville.gov
Telephone: (615) 851-3462		MS4 Program Web Address: www.goodlettsville.gov
Mailing Address: 105 S. Main Street		
City: Goodlettsville	State: Tennessee	ZIP code: 37072

What is the current population of your MS4? 16,950

What is the reporting period for this annual report? July 1 2018 to June 30 2019

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/](http://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](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: 18-304. Land disturbance permit. (1) General. The land disturbance permit is to be obtained by the owner(s) or owner(s) designee(s) for development or redevelopment of over an acre, or less than an acre if required by the administrator. The land disturbance permit is designed to track all applicable land disturbance activities and ensure they are monitored for compliant erosion prevention and sediment controls, the absence of illicit discharges leaving the site, and compliance with the city's TDEC NPDES MS4 general permit along with any applicable TDEC construction general permits, TDEC Aquatic Resources Alteration Permits (ARAP), and any other relevant permits. Tracking of these activities allows inspection, and in cases of non-compliance, enforcement actions to be taken. (2) Exemptions. The following land disturbance activities are exempt from the requirements of obtaining a land disturbance permit: (a) Surface mining as is defined in Tennessee Code Annotated, § 59-8-202. (b) Such minor land disturbing activities as home gardens and individual home landscaping, home repairs, home additional or modifications, home maintenance work, and other related activities that result in no soil erosion leaving the site. (Erosion Prevention and Sediment Control (ESPC) practices may be enforced through individual building permits.) (c) Agriculture practices involving the establishment, cultivation or harvesting of products in the field or orchard, preparing and planting of pastureland, farm ponds, dairy operations, livestock and poultry management practices, and the construction of farm buildings. (d) Any project carried out under the technical supervision of NCRS, TDOT, TDEC, or USACE that is covered under applicable state or federal construction permits. (e) Installation, maintenance, and repair of any underground public utility lines when such activity occurs on an existing road, street, or sidewalk which is hard surfaced and such street, curb, gutter, or sidewalk construction has been approved. (f) Any emergency activity that is immediately necessary for the protection of life, property, or natural resources. These activities may be undertaken without a land disturbance permit; however, the person conducting these excluded activities shall remain responsible for conducting these activities within accordance with provisions of this ordinance and other applicable regulations including responsibility for controlling sediment, illicit discharges, and runoff.

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)?
- 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: Our target audiences have been addressed in a broad sense on our website which allows us to provide information to virtually all of our citizens. Although we provide this information, we know only a certain number of population will read it or research certain concerns. We are now providing information via mail directly to residents for good housekeeping via a flyer "Stormwater Quarterly". We also provide verbal education to landscapers regarding grass clipping removal or mulching. We provide the previous on a quarterly basis. Hotspots are tracked by the Inspector through quarterly reports received from targeted businesses. we also installed an Oil Recycling facility at public works to help inform the public of proper recycling and avoidance of illegal oil disposal.

Yes  No

Yes  No

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- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: [www.goodlettsville/publicworks/stormwatermanagement.gov](http://www.goodlettsville/publicworks/stormwatermanagement.gov)  Yes  No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Website, Facebook, Email, Notify Me Program, Tailgate Wrap.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period:
1. Mid Tennessee Stormwater Group
  2. Stormwater Quarterly Educational Literature mailed.
  3. TNSA Urban Runoff 5K
  4. Walk Across Sumner Event
  5. Stormwater Tailgate wrap for education and hotline #
  6. Online Water Education Video.
  7. Facebook Social Media program
  8. Community Advisory Panel
  9. Community Stream Cleanup Events.
  10. 250K Tree Day
  11. Adopt-A-Street Program
  12. Creek Critters program through CRC

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:

1. Community Advisory Panel. Provide resource materials to Community Group to network stormwater related information and business on a monthly basis. Creation and implementation of the Stormwater Quarterly.
2. Stream Cleanup. 68 volunteers including advisors, employees, citizens, scouts and church members collectively helped remove approximately 8,000 lbs. of trash and vegetation from our local streams and tributaries.
3. 250K Tree Day (TEC). To provide a distribution point for local residents to pick up trees from TEC program
4. Adopt a Street Program. We provide a permanent sign for the program at each end of adopted area. We also have business sign a 2 year contract to remove litter from area at least quarterly and provide the city with a total of bags removed from litter collection. 10 sites currently adopted.
5. Capital Improvement Signs. We provide a temporary sign at each CIP site during the design and construction phase to notify passerby of project coming to educate on use of Stormwater Utility Fees.
6. Social Media Advertisements (TNSA). To provide social media of water quality to various audiences thru Facebook Stormwater posts.
7. Stormwater Educational Media on Website. This video is an attempt to reach the entire population and beyond. We intend to proceed with 7 more videos covering the six minimum measures as well as infrastructure maintenance and repair.
8. Walk Across Sumner. Sponsored event with Platinum level, this allowed the City of Goodlettsville to insert 1300 packets with water quality literature to be handed out at opening event to 1300 participants. City logo displayed on website for one year and recognized as a sponsor for water quality
9. Creek Critters Program (CRC). Through CRC (Cumberland River Compact) facilitators, provide Water Education for fourth grade students
10. Urban Runoff 5K (TNSA). Water quality and sustainability forum combined with a fundraiser 5k through TNSA. Opportunity to provide educational supplies to community at display booth
11. Mid Tennessee Stormwater Group. Provide resource materials to help each other by networking stormwater related information and business on a monthly basis. Goal of 24 hours per year.

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 watershed of that outfall, and general direction of stormwater flow?  Yes  No
- C. How many outfalls have you identified in your storm sewer system? 131 Outfalls from previous data. We are current with a new GIS system Web Based.
- 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: 18-309. Illicit discharges.

(1) Scope. This section shall apply to all water generated on developed or undeveloped land entering the city's separate storm sewer system.

(2) Prohibition of illicit discharges. No person shall introduce or cause to be introduced into the municipal separate storm sewer system any discharge that is not composed entirely of stormwater or any discharge that flows from stormwater facility that is not inspected in accordance with § 16-506 shall be an illicit discharge. Non-stormwater discharges shall include, but shall not be limited to, sanitary wastewater, commercial car wash wastewater, lawn mowing debris, lawn care chemicals, grease, soap, cleaning chemicals, radiator flushing disposal, spills from vehicle accidents, carpet cleaning wastewater, effluent from septic tanks, improper oil disposal, laundry wastewater/gray water, improper disposal of auto and household toxics. The commencement, conduct or continuance of any non-stormwater discharge to the municipal separate storm sewer system is prohibited except as described as follows:

(a) Uncontaminated discharges from the following sources:

(i) Water line flushing or other potable water sources;

(ii) Landscape irrigation or lawn watering with potable water;

(iii) Diverted stream flows;

(iv) Rising ground water;

(v) Groundwater infiltration to storm drains;

(vi) Pumped groundwater; (vii) Foundation or footing drains;

(viii) Crawl space pumps;

(ix) Air conditioning condensation;

(x) Springs; (xi) Non-commercial washing of vehicles;

(xii) Natural riparian habitat or wetland flows;

(xiii) Swimming pools (if dechlorinated - typically less than one (1) PPM chlorine);

(xiv) Firefighting activities;

(xv) Any other uncontaminated water source.

(b) Discharges specified in writing by the city as being necessary to protect public health and safety.

(c) Dye testing is an allowable discharge if the city has so specified in writing.

(d) Discharges authorized by the Construction General Permit (CGP), which comply with section 3.5.9 of the same:

(i) Dewatering of work areas of collected stormwater and ground water (filtering or chemical treatment may be necessary prior to discharge);

(ii) Waters used to wash vehicles (of dust and soil, not process materials such as oils, asphalt or concrete) where detergents are not used and detention and/or filtering is provided before the water leaves site; (iii) Water used to control dust in accordance with CGP section 3.5.5;

(iv) Potable water sources including waterline flushings from which chlorine has been removed to the maximum extent practicable;

(v) Routine external building washdown that does not use detergents or other chemicals;

(vi) Uncontaminated groundwater or spring water; and

Yes

No

- (vii) Foundation or footing drains where flows are not contaminated with pollutants (process materials such as solvents, heavy metals, etc.).
- (3) Prohibition of illicit connections. The construction, use, maintenance or continued existence of illicit connections to the municipal separate storm sewer system is prohibited. This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.
- (4) Reduction of stormwater pollutants by the use of best management practices. Any person responsible for a property or premises, which is, or may be, the source of an illicit discharge, may be required to implement, at the person's expense, the BMPs necessary to prevent the further discharge of pollutants to the municipal separate storm sewer system. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of stormwater associated with industrial activity, to the extent practicable, shall be deemed in compliance with the provisions of this section. Discharges from existing BMPs that have not been maintained and/or inspected in accordance with this ordinance shall be regarded as illicit.
- (5) Notification of spills. Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting in, or may result in, illicit discharges or pollutants discharging into, the municipal separate storm sewer system, the person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials the person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, the person shall notify the city in person or by telephone, fax, or email, no later than the next business day. Notifications in person or by telephone shall be confirmed by written notice addressed and mailed to the city within three (3) business days of the telephone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three (3) years.
- (6) No illegal dumping allowed. No person shall dump or otherwise deposit outside an authorized landfill, convenience center or other authorized garbage or trash collection point, any trash or garbage of any kind or description on any private or public property, occupied or unoccupied, inside the city.
- (7) Hot spots. The administrator is authorized to regulate hot spots. Upon written notification by the administrator, the property owner or designated facility manager of a hot spot area shall, at their expense, implement necessary controls and/or best management practices to prevent discharge of contaminated stormwater to the municipal separate storm sewer system. The administrator may require the facility to maintain inspection logs or other records to document compliance with this paragraph. (Ord. #04-651, Jan. 2005, as replaced by Ord. #15-830, Feb. 2015)

- F. How many illicit discharge related complaints were received this reporting period? 15
- G. How many illicit discharge investigations were performed this reporting period? 15
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 15

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? 8
- F. How many active priority and non-priority construction sites were inspected this reporting period? 8, We treat all active construction sites as priority with weekly inspections.
- G. How many construction related complaints were received this reporting period? Copper Creek II phase V/ Copper Creek I Phase II/ Parkview Preserve Phase I

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: 18-306. Buffer zones. The goal of the water quality buffer is to preserve undisturbed vegetation that is native to the streamside habitat in the area of the project. Vegetated, preferably native, water quality buffers protect water bodies by providing structural integrity and canopy cover, as well as stormwater infiltration, filtration and evapotranspiration. Buffer width depends on the size of a drainage area. Streams or other waters with drainage areas less than one (1) square mile will require buffer widths of thirty feet (30') minimum. Streams or other waters with drainage areas greater than one (1) square mile will require buffer widths of sixty feet (60') minimum. The sixty feet (60') criterion for the width of the buffer zone can be established on an average width basis at a project, as long as the minimum width of the buffer zone is more than thirty feet (30') at any measured location. The MS4 must develop and apply criteria for determining the circumstances under which these averages will be available. A determination that standards cannot be met may not be based solely on the difficulty or cost associated with implementation. Every attempt should be made for development and redevelopment activities not to take place within the buffer zone. If water quality buffer widths as defined above cannot be fully accomplished on-site, the MS4 must develop and apply criteria for determining the circumstances under which alternative buffer widths will be available. A determination that water quality buffer widths cannot be met on site may not be based solely on the difficulty or cost of implementing measures, but must include multiple criteria, such as: type of project, existing land use and physical conditions that preclude use of these practices.

Buffer zone requirements:

(1) "Construction" applies to all streams adjacent to construction sites, with an exception for streams designated as impaired or Exceptional Tennessee waters, as designated by the Tennessee Department of Environment and Conservation. A thirty foot (30') foot natural riparian buffer zone adjacent to all streams at the construction site shall be preserved, to the maximum extent practicable, during construction activities at the site. The water quality buffer zone is required to protect waters of the state located within or immediately adjacent to the boundaries of the project, as identified using methodology from standard operating procedures for hydrologic determinations (see rules to implement a certification program for qualified hydrologic professionals, Tennessee Rules chapter 0400-40-17). Buffer zones are not primary sediment control measures and should not be relied on as such. Rehabilitation and enhancement of a natural buffer zone is allowed, if necessary, for improvement of its effectiveness of protection of the waters of the state. The buffer zone requirement only applies to new construction sites. The riparian buffer zone should be preserved between the top of stream bank and the disturbed construction area. The thirty (30) feet criterion for the width of the buffer zone can be established on an average width basis at a project, as long as the minimum width of the buffer zone is more than fifteen feet (15') at any measured location.

Yes

No

Buffer zone requirements for discharges into impaired or high quality waters: A sixty foot (60') natural riparian buffer zone adjacent to the receiving stream designated as impaired or high quality waters shall be preserved, to the maximum extent practicable, during construction activities at the site. The water quality buffer zone is required to protect waters of the state (e.g., perennial and intermittent streams, rivers, lakes, wetlands) located within or immediately adjacent to the boundaries of the project, as identified on a 7.5-minute USGS quadrangle map, or as determined by the director. Buffer zones are not sediment control measures and should not be relied upon as primary sediment control measures. Rehabilitation and enhancement of a natural buffer zone is allowed, if necessary, for improvement of its effectiveness of protection of the

waters of the state. The buffer zone requirement only applies to new construction sites. The riparian buffer zone should be established between the top of stream bank and the disturbed construction area. The sixty feet (60') criterion for the width of the buffer zone can be established on an average width basis at a project, as long as the minimum width of the buffer zone is more than twenty-five (25') at any measured location.

(2) "Permanent" new development and significant redevelopment sites are required to preserve water quality buffers along waters within the MS4. Buffers shall be clearly marked on site development plans, grading permit applications, and/or concept plans. Buffer width depends on the size of a drainage area. Streams or other waters with drainage areas less than one (1) square mile will require buffer widths of thirty feet (30') minimum. Streams or other waters with drainage areas greater than 1 square mile will require buffer widths of sixty feet (60') minimum. The sixty feet (60') criterion for the width of the buffer zone can be established on an average width basis at a project, as long as the minimum width of the buffer zone is more than thirty feet (30') at any measured location. (Ord. #04-651, Jan. 2005, as replaced by Ord. #15-830, Feb. 2015)

- C. What is the threshold for development and redevelopment project plans plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? 18-305. Stormwater system design: construction and permanent stormwater management performance standards. (1) Applicability. This section shall be applicable to all land development, including, but not limited to, site plan applications, subdivision applications, land disturbance applications and grading applications. The requirements in this section shall apply to any new development or redevelopment site that meets one or more of the following criteria:
- (a) One (1) acre or more:
    - (i) New development that involves land disturbance activities of one (1) acre or more;
    - (ii) Redevelopment that involves other land disturbance activity of one (1) acre or more;
  - (b) Developments and redevelopments less than one acre of total land disturbance may also be required to obtain authorization under this ordinance if:
    - (i) The administrator has determined that the stormwater discharge from a site is causing, contributing to, or is likely to contribute to a violation of a state water quality standard;
    - (ii) The administrator has determined that the stormwater discharge is, or is likely to be a significant contributor of pollutants to waters of the state; or
    - (iii) Any new development or redevelopment, regardless of size, that is defined by the administrator to be a hotspot land use.
  - (c) Other options:
    - i) Change in elevation of property.
    - (ii) Any land disturbance that requires coverage under a TDEC construction general permit. (iii) Any disturbance that requires coverage under a TDEC ARAP.
- (2) General requirements. Stormwater at applicable developments and redevelopments shall be managed in accordance with the requirements contained within this section.
- (a) Any discharge of stormwater or other fluid to an improved sinkhole or other injection well, as defined, must be authorized by permit or rule as a Class V underground injection well under the provisions of Tennessee Department of Environment and Conservation (TDEC) Rules, chapter 1200-4-6.
  - (b) Stormwater design or BMP manuals.
    - (i) Adoption. The city adopts as its MS4 stormwater design and Best Management Practices (BMP) manuals for stormwater management, construction and permanent, the following publications, which are incorporated by reference in this ordinance as if fully set out herein:
      - (A) TDEC Erosion Prevention and Sediment Control Handbook; most current edition.
      - (B) Tennessee Permanent Stormwater Management and Design Guidance Manual; most current edition. (C) Metro Nashville Stormwater Management Manual Volume 5, Low Impact Development
      - (D) And/or a collection of city approved BMPs.
    - (ii) The publications listed above include a list of acceptable BMPs including the specific design performance criteria and operation and maintenance requirements. These include city approved BMPs for permanent stormwater management including green infrastructure BMPs.
    - (iii) Stormwater facilities that are designed, constructed and maintained in accordance with these publications will be presumed to meet the minimum water quality performance standards.
  - (c) Submittal of a copy of the NOC, SWPPP and NOT to the local MS4
    - (i) Permittees who discharge stormwater through an NPDES-permitted Municipal Separate Storm Sewer System (MS4) who are not exempted in section 1.4.5 (permit coverage through qualifying local program) of TDEC's Construction General Permit (CGP) must provide proof of coverage under the Construction General Permit (CGP); submit a copy of the Stormwater Pollution Prevention Plan (SWPPP); and at project completion, a copy of the signed Notice of Termination (NOT) to the administrator. Permitting status of all permittees covered (or

previously covered) under this general permit as well as the most current list of all MS4 permits is available at the TDEC's data viewer web site.

- (ii) Copies of additional applicable local, state or federal permits (i.e.: ARAP, etc.) must also be provided upon request.
- (iii) If requested by the city, these permits must be provided before the issuance of any land disturbance permit or the equivalent.

- D. How many development and redevelopment project plans were reviewed for this reporting period? 8
- E. How many development and redevelopment project plans were approved? 8
- F. How many permanent stormwater related complaints were received this reporting period? Copper Creek I Phase II
- G. How many enforcement actions were taken to address improper installation or maintenance? 1
- 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. Off Site Stormwater Mitigation  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:

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Modifications or replacement of an ineffective activity/control measure. TAB was replaced with Facebook a more effective program, one that will meet the TDEC standards. We are currently modifying our tracking method of Inspection and Maintenance Agreements, this will now include a civil penalty if report is not received by July 1st. We do provide a courtesy letter. The WET program was replaced with Creek Critters through CRC.

Changes to the program as required by the division to satisfy permit requirements. Updated SWMP Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. infrastrucure and outfalls with GIS

- 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. SUMMARY

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BMP (Event) & Responsible Party      Summary of Results      Effective

(1=0%)

(5=100%)

PUBLIC EDUCATION & OUTREACH -- Estimated Population: 16,000

Mid-Tennessee Stormwater Group      5

Cumberland River Compact Waterfest      4

Stormwater Newslwtter Quarterly Education      5

TNSA Urban 5K Runoff      4

Yes       No

Creek Critters (CRC) Program      5

Walk Across Sumner      5

Western Kentucky University Stormwater Education      5

Tailgate Advertisement Wrap      5

Watershed Education Video      5

Social Media      5

80%      48

PUBLIC PARTICIPATION

Community Advisory Panel      5

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Stream Cleanups \_\_\_\_\_ 5

250k Tree Day \_\_\_\_\_ 5

Adopt a Street \_\_\_\_\_ 4

CIP Signage \_\_\_\_\_ 5

\_\_\_\_\_ 96% 24

CONSTRUCTION SITE RUNOFF CONTROL

Ordinance or other Regulatory Mechanism \_\_\_\_\_ 5

Construction Sites :

Residential/Commercial \_\_\_\_\_ 5

Pre-Con \_\_\_\_\_ 5

Enforcement Procedures NOV's \_\_\_\_\_ 5

\_\_\_\_\_ 100% 20

POST-CONSTRUCTION STORMWATER MANAGEMENT

Inspection & Maintenance Agreements \_\_\_\_\_ 5

Post Inspection Received \_\_\_\_\_ 5

Enforcement Procedure letters

Civil Penalty \_\_\_\_\_ 5

\_\_\_\_\_ 100% 15

ILLICIT DISCHARGE DETECTION & ELIMINATION

IDDE Reports/ Letters \_\_\_\_\_ 5

HOT SPOTS \_\_\_\_\_ 1

\_\_\_\_\_ 60% 6

TOTAL PROGRAM EFFECTIVENESS

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Employee Training/ Conferences 5

SOP - Facility Inspections 5

SOP - Standard Operating Procedures 5

SWMP - Storm Water Management Plan 5

PIE - Public Information Education 5

ERP - Enforcement Response Plan 5

100% 30

TOTAL PROGRAM EFFECTIVENESS SCORE 143 of 160 89%

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>2</u>	# <u>1</u>	# <u>15</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	# <u>12</u>	# <u>0</u>	# <u>14</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Citations with administrative penalties	# <u>5</u>	# <u>5</u>	# <u>3</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop work orders	# <u>5</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?  
Erosion and Sediment release

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. Performed through contract with Western Kentucky University for 2018

B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. None

C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report.  Yes  No

11. Certification

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

This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.

*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

Tim Ellis (City Manager)  
 Printed Name and Title

  
 Signature

7/30/2019  
 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