



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 Dickson            |           | MS4 Permit Number: TNS070542   |
| Contact Person: Bret M. Stock, PE       |           | Email Address: bstock@cityofdickson.com                              |
| Telephone: (615) 441-9508               |           | MS4 Program Web Address:<br>https://www.cityofdickson.com/stormwater |
| Mailing Address: 600 East Walnut Street |           |  |
| City: Dickson                           | State: TN | ZIP code: 37055  |

What is the current population of your MS4? 16,058 as of 2020 Census

What is the reporting period for this annual report? July1 2021 to June 30 2022

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: \_\_\_\_\_.  Yes  No

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

- A. Have you developed a Public Information and Education plan (PIE)?  Yes  No
- B. Is your public education program targeting specific pollutants and sources, such as Hot Spots? If yes, describe the specific pollutants and/or sources targeted by your public education program: Illicit Discharges, sedimentation and siltation, Industrial and Commercial Releases, Residential Dumping and Spillage, Educating Contractors when Permits are Pulled  Yes  No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: https://www.cityofdickson.com/stormwater  Yes  No
- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: By use of City Stormwater web page, Social Media, Flyer Distribution, and Public Events such as Old Timers Day

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- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Social Media Posts, Handouts to City Contractors, Stormwater Education Event with City Public Works Department Employees, Hand Delivering Flyers to Restaurants, Automobile Service Centers, Etc.
- 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: Public Works Maintenance Facilities are now staying within compliance after Educational Presentation and Facility Inspections, Automobile industries are now aware of proper disposal of used materials, Water Quality standards are being met as intended now with City Engineer back in-house and updated City of Dickson Stormwater Regulations being used.

4. Illicit Discharge Detection and Elimination (Section 4.2.3)

- A. Have you developed and do you continue to update a storm sewer system map that shows the location of system outfalls where the municipal storm sewer system discharges into waters of the state or conveyances owned or operated by another MS4?  Yes  No
- B. If yes, does the map include inputs into the storm sewer collection system, such as the inlets, catch basins, drop structures or other defined contributing points to the sewershed of that outfall, and general direction of stormwater flow?  Yes  No
- C. How many outfalls have you identified in your storm sewer system? 300 total outfalls (City Wide, not sewer specific)
- 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: See City Stormwater Management Plan for full IDDE Plan. Summary includes logging and tracking all complaints through phone calls and emails to the IDDE email address on website. Staff investigates all complaints within 7 days. City staff operates Street Sweeper with disposal of sediment and debris at landfill. Tracing the source of Pollution if found, and determining plan to remove pollution if needed. MS4 conducts routine inspections at Priority Sites and Construction Sites, Dry Weather Screening, and Hot Spot investigations.  Yes  No
- F. How many illicit discharge related complaints were received this reporting period? A total of 1 was investigated during the outfall mapping.
- G. How many illicit discharge investigations were performed this reporting period? A total of 1 were investigated, Documented, and Closed
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 0

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

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- 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? 9
- F. How many active priority and non-priority construction sites were inspected this reporting period? 10 PRIORITY, 3 NON-PRIORITY
- G. How many construction related complaints were received this reporting period? 2
6. Permanent Stormwater Management at New Development and Redevelopment Projects (Section 4.2.5)
- A. Do you have a regulatory mechanism (e.g. ordinance) requiring permanent stormwater pollutant removal for development and redevelopment projects? If no, have you submitted an Implementation Plan to the Division?  Yes  No  
 Yes  No
- B. Do you have an ordinance or other regulatory mechanism requiring:
- Site plan review and approval of new and re-development projects?  Yes  No
- A process to ensure stormwater control measures (SCMs) are properly installed and maintained?  Yes  No
- Permanent water quality riparian buffers? If yes, specify requirements: 30 FT SUPPORTING, 60 FT NON-SUPPORTING  Yes  No
- C. What is the threshold for development and redevelopment project plans plan review (e.g., all projects, projects disturbing greater than one acre, etc.)? 5,000 SF OF ADDITIONAL IMPERVIOUS, 10,000 SF OF TOTAL DISTURBANCE
- D. How many development and redevelopment project plans were reviewed for this reporting period? 11
- E. How many development and redevelopment project plans were approved? 9
- F. How many permanent stormwater related complaints were received this reporting period? 0
- G. How many enforcement actions were taken to address improper installation or maintenance? 50 +/- Verbal, 3-5 Written
- 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 MITIGATION (NEVER BEEN USED)  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:

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- Streets, roads, highways?  Yes  No
- Municipal parking lots?  Yes  No
- Maintenance and storage yards?  Yes  No
- Fleet or maintenance shops with outdoor storage areas?  Yes  No
- Salt and storage locations?  Yes  No
- Snow disposal areas?  Yes  No
- Waste disposal, storage, and transfer stations?  Yes  No

- B. Do you have a training program for employees responsible for municipal operations at facilities within the jurisdiction that handle, generate and/or store materials which constitute a potential pollutant of concern for MS4s?  Yes  No
- If yes, are new applicable employees trained within six months, and existing applicable employees trained and/or retrained within the permit term?  Yes  No

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

- A. Describe any revisions to your program implemented during this reporting period including but not limited to:
  - Modifications or replacement of an ineffective activity/control measure. New Stormwater Management Plan composed (PIE Plan, IDDE Plan, Etc, New Stormwater Ordinance Approved and Implemented, Outfall Mapping Completed (with Storm System Mapping to be completed this year for Catch basins, flow direction, etc.)
  - Changes to the program as required by the division to satisfy permit requirements. See Above
  - Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. See Above.
- 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. Assesment shows improvement of program, but work still to be done. City has taken major steps over the past year to bring program into compliance. Stormwater program has been moved under the City Engineer and Public Works Director (from Planning and Zoning), with a new employee set to be hired in the coming weeks to replace the previous Stormwater Coordinator. Goals and improvements for coming year is to keep working to meet the PIE plan requirements, improve on documentation of program implementation, and expand on Public Outreach Events. The new Stormwater Coordinator must do a much better job of documenting all actions, including verbal warnings.  Yes  No

9. Enforcement Response Plan (Section 4.5)

- A. Have you implemented an enforcement response plan that includes progressive enforcement actions to address non-compliance, and allows the maximum penalties specified in TCA 68-221-1106? If no, explain. \_\_\_\_\_  Yes  No
- B. As applicable, identify which of the following types of enforcement actions (or their equivalent) were used during this reporting period; indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater management), and note those for which you do not have authority:

| <u>Action</u>   | <u>Construction</u>                            | <u>Permanent Stormwater</u> | <u>Illicit Discharge</u> | <u>In Your ERP?</u>                     |                             |
|---|--|-----------------------------|--------------------------|---|-----------------------------|
| Verbal warnings                                       | # <u>50</u>                                    | # <u>0</u>                  | # <u>0</u>               | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Written notices                                       | # <u>2</u>                                     | # <u>0</u>                  | # <u>0</u>               | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Citations with administrative penalties               | # <u>1</u>                                     | # <u>0</u>                  | # <u>0</u>               | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Stop work orders                                      | # <u>2</u>                                     | # <u>0</u>                  | # <u>0</u>               | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Withholding of plan approvals or other authorizations | # <u>2 (Holding COs for outstanding items)</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? Standard EPSC actions under the CGP, such as twice weekly inspection reports and maintaining EPSC measures per plans.

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. None Performed
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. Obtained outfall mapping, and we are set to begin Storm Sewer System Mapping this year.
- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report.  Yes  No

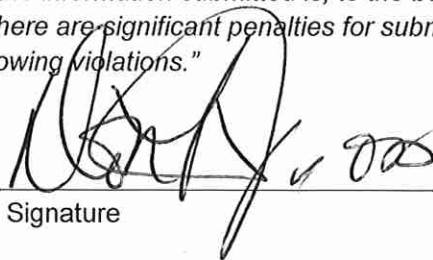
11. Certification

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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."*

Mayor Don L. Weiss, Jr. O.D.  
Printed Name and Title

  
Signature

09/23/2022  
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 |

## 2.2 Description of Storm System

The following is brief overview of the municipality owned and / or managed stormwater system. The values provided are general estimates, and should be updated as frequently as necessary as areas are annexed by the City, or as better data is obtained. Goal for next permitting cycle is to work with Public Works to determine a more accurate count and measurement of City infrastructure.

### A. Area Served

- Approximate area within City Limits = 20 SQ MI

### B. Storm Drainage Infrastructure (Municipality Owned and Managed)

- Storm Sewer: 20,000 LF (Estimate)
- Catch Basins: 200 (Estimate)
- Open Channel Ditches: 140 Miles (Estimate)
- Pipe Culverts and Cross-Drains: 8,000 to 10,000 Units (Estimate – Includes Private Drives)
- Regional Water Quality Ponds: 3

### C. Privately Owned Water Quality Infrastructure

- Water Quality Ponds: 33 (Estimate – Number Is For Infrastructure Covered Under Maintenance Agreement Only)
- Bioretention Ponds: 10 (Estimate – Number Is For Infrastructure Covered Under Maintenance Agreement Only)
- Water Quality Swales: 14 (Estimate – Number Is For Infrastructure Covered Under Maintenance Agreement Only)
- Water Quality Structures: 15 (Estimate – Number Is For Infrastructure Covered Under Maintenance Agreement Only)

### D. Maps

- City Outfall Map: See Appendix A (Note: System outfall map is to be updated in late 2021 or early 2022 by Civil and Environmental Consultants to develop a more accurate system map)
- Map of Supporting and Non-Supporting Streams – See TDEC Data Viewer Online

### E. Non-Supporting Streams

- Jones Creek – TN05130204002\_3000
- Unnamed Tributary to Jones Creek – TN05130204002\_0200
- Spicer Branch – TN05130204002\_0700
- Grab Creek – TN06040003050\_0620

### F. Exceptional Tennessee Waters

- East Piney River – TN06040003050\_0600

## G. TDMLs

- Jones Creek – TN05130204002\_3000 (Nutrients)

Existing Legal Authority governing the City stormwater system is the most current edition of the City of Dickson Stormwater Ordinance, Ordinance Number 1499 as adopted in October of 2021. Full ordinance is provided in Appendix B.

### **3.0 STORMWATER QUALITY MANAGEMENT PROGRAM**

The City of Dickson is designated as a Municipal Separate Storm Sewer System (MS4), and through the NPDES stormwater discharge permit with the State of Tennessee is required to develop a Stormwater Management Program.

The intent of the permit and program is to protect the water quality of the Waters of the State (streams, rivers, lakes etc), and is passed down from the Federal Clean Water Act. This permit allows the stormwater runoff within the city limits to discharge into the streams as long as certain minimum measures are met.

There are six components of the Stormwater Management Program:

- Public Education
- Public Participation
- Illicit Discharge and Elimination
- Construction Site Stormwater Runoff
- Permanent Stormwater Management
- Municipal Good Housekeeping for Pollution Prevention

The implementation plans for each of the above items are provided in the following sections. Note that for simplicity in the developed plans that Public Education and Public Participation have been combined into one section as provided below.

### **3.1 Public Information, Education, Outreach, Involvement, and Participation**

#### **Permit Requirements**

Permit Section 4.2.1. requires that the City of Dickson MS4 implement a public outreach and education program that focuses on the impacts of stormwater discharges to water bodies and the associated steps that the public (including commercial, industrial, or institutional entities) can take to reduce pollutants in stormwater runoff.