



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 Union City		MS4 Permit Number: TNS075558
Contact Person: Jimmy Temple		Email Address: stormwater@unioncitytn.gov or
Telephone: (731) 885-1341		MS4 Program Web Address: http://www.unioncitytn.gov/stormwater.html
Mailing Address: 408 S. Depot Street		
City: Union City	State: Tennessee	ZIP code: 38261

What is the current population of your MS4? 10,895

What is the reporting period for this annual report? July 1 2017 to June 30 2018

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/)? 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)? 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: Educational pamphlets are given at public events, meetings, and hot spot inspections for car washes, gas stations, construction sites, industrial sites, lawn companies, vehicle cleaning and servicing, restaurants, and home owners. The City of Union City runs newspaper articles that include tips to help prevent pollution sources. Yes No
- C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: <http://www.unioncitytn.gov/stormwater.html> Yes No

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- D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: Department vehicles have informational stormwater stickers displayed, the City of Union City's Stormwater website, stormwater facebook page, TAB Program, visiting and speaking with different groups and reaching out through public events and meetings, We print tips on water bills and newspaper articles. The City of Union City host employee training and mail pamphlets for educational purposes for educational purposes and outreach.
- E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: The City of Union City participated in the TAB program. Stormwater inlets were sprayed for public education in various areas throughout the city limits. Fertilizer and pesticide pamphlets for hotspot inspections and educational purposes were sent by mail. Participated in the Midsouth Clean Water Day in September. A booth was hosted and held for the annual Cornfest held in Union City. Attended a City Beautiful Meeting and educated the attendees about Stormwater expectations and the state permit. 250K Tree Day was promoted and distributed pamphlets to the attendees. Stormwater attended a Civitan Meeting as a speaker. A presentation for Stormwater for educational purposes was watched, During the meeting, we promoted the upcoming 250K Tree Day and previous events along with giving out educational pamphlets and stormwater promotional gifts. Created a Stormwater Feedback Form for contractors and engineers. New and current employee stormwater training was held for all City employees. Educational brochures and pamphlets were sent to industries per the City of Union City's PIE Plan. Quarterly newspaper articles were ran in the local newspaper about illicit discharges and how to prevent them. 30 copies of the Discover the Waters of Tennessee books were distributed to the Obion County Library at 1221 E. Reelfoot Avenue for Public Educational purposes. Stormwater tips were printed on utility bills twice a year The City of Union City participated as a contributor for the annual 250K Tree Day in February and contributed 1245 trees. Trees were given to the Crown Club and to the Boys & Girls Club to plant. Educational pamphlets and brochures were distributed for hotspot inspections and educational purposes on vehicle washing and servicing. Educational brochures and pamphlets were mailed to restaurants for illicit discharges. Held an educational meeting in the City Courtroom for engineers, contractors, and general public to update everyone and to help with any questions from anyone about the City's and State's expectations. An educational presentation was held at the Boys & Girls Club for stormwater to reach through children. The City of Union City hosted a Park Clean Up Day on 06/15/18 at the Community Playground and the wooden park. Set as a guest speaker at the Kiwanis Club and showed a stormwater presentation along with given out pamphlets and stormwater promotional supplies.
- 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: 2017-2018 was the first year the City participated as a contributor in the 250K Tree Day. There were many participates and inquiries. 1245 trees were distributed and many participates sent in pictures of children planting their new seedlings to improve the environment. 2017-2018 was the first year of meeting with various clubs with presentations. These meetings helped with transparency with upcoming stormwater changes and what exactly stormwater is.

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? 355

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- 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: The City of Union City performs Hot Spot Inspections and outfall inspections. Police are on patrol 24 hours a day for detection and Solid Waste collection occurs weekly. Public Work and Parks and Rec. Department works daily to clean the parks and to maintain good housekeeping. The City of Union City identifies and investigates all complaints for sources of pollution. Yes No
- F. How many illicit discharge related complaints were received this reporting period? 19
- G. How many illicit discharge investigations were performed this reporting period? 19
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 9
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? 11
- F. How many active priority and non-priority construction sites were inspected this reporting period? 18
- G. How many construction related complaints were received this reporting period? 5
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

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A process to ensure stormwater control measures (SCMs) are properly installed and maintained? Yes No

Permanent water quality riparian buffers? If yes, specify requirements: Construction requires buffer zone widths of a minimum of thirty feet. The thirty foot criterion for the width of the buffer zone can be established on an average width basis. As long as the minimum width of the buffer zone is fifteen feet. Construction on impaired or exceptional waters, the width of the buffer zone shall be a minimum of sixty feet. 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.)? All land disturbances are required to obtain a land disturbance permit. Any land disturbances over an acre are required to provide plans and be approved by the City of Union City the State of Tennessee.

D. How many development and redevelopment project plans were reviewed for this reporting period? 10

E. How many development and redevelopment project plans were approved? 10

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? 0

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. _____ 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. Implemented Operation and Maintenance Plans for all departments.

Changes to the program as required by the division to satisfy permit requirements. Added to our stormwater ordinance as required, The stormwater management design shall ensure the post construction run off volume is equal to or less than the predevelopment run off volume for a 25 year storm event. Also changed in the stormwater ordinance the Union City Board of Zoning Appeals shall serve as the Appeals Board for stormwater. Land disturbance verbage was also changed in the storwmater ordinance.

Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. 0

- 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. In the next reporting year, complaints and construction complaints will be kept differently and filed effectively to easily obtain information. 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>#7</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Written notices	<u>#7</u>	<u>#0</u>	<u>#7</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Citations with administrative penalties	<u>#0</u>	<u>#0</u>	<u>#0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop work orders	<u>#5</u>	<u>#0</u>	<u>#1</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Withholding of plan approvals or other authorizations	<u>#1</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: <u>Not applicable</u>	

- 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? Construction sites with installing and maintaing EPSC measures.

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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. The City of Union City does not have the funds to perform analytical testing at this time per the permit, however, a stormwater utility fee has been adopted the fiscal year of 2018-2019 and analytical testing will take place within the next year or two once funds have been built. The Wastewater department has taken samples on two occasions this fiscal year and ran tests for chlorine and other factors to illiminate possibilities on complaints that were received by our office.
- B. Summarize any non-analytical monitoring activities (e.g., planning, collection, evaluation of results) performed during this reporting period. Visual stream and outfalls inspections were performed as well as hotspot inspection throughout the city per the permit. Complaints were visually investigated, followed up and corrected. Construction site inspections on all priority were made per the permit. Inspections on some non priority sites were made due to the nature of the job.
- C. If applicable, are monitoring records for activities performed during this reporting period submitted with this report. Yes No

11. 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 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."

		08/31/18
Printed Name and Title	Signature	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