



**TOWN OF SMYRNA STORM WATER ADVISORY COMMITTEE
AGENDA**

JULY 18, 2022

COUNCIL CHAMBERS, TOWN HALL

6:00PM

I. CALL TO ORDER

II. CITIZEN COMMENTS

Speakers are limited to (3) minutes. Additional comments may be submitted in writing.

III. REVIEW AND APPROVE MINUTES FOR APRIL 18, 2022 MEETING OF STORM WATER ADVISORY COMMITTEE (SWAC)

IV. OLD BUSINESS

A. None this quarter

V. NEW BUSINESS

A. Consent / Correction Agenda

1. *Vacant / Inactive Account List (4/1/22-6/30/22)*

B. Adjustment Applications

None this quarter

C. Credit Applications

None this quarter

VI. REPORTS OF OFFICERS, COMMITTEE, OR STAFF

A. *Discuss Storm Water Utility inquiries to date*

B. *Presentation of Quarterly Report*

C. *Presentation of Annual Report*

D. *Miscellaneous*

VII. ADJOURNMENT

MINUTES OF THE TOWN OF SMYRNA STORM WATER ADVISORY COMMITTEE

July 18, 2022

1st Item: Call to Order

The July meeting of the Town of Smyrna Storm Water Advisory Committee was held on Monday, July 18, 2022. The meeting was called to order by Chairman, Rhett Kimble, at 6:00 P.M. at Town Hall, Smyrna, Tennessee.

The following Storm Water Advisory Committee members and staff were present:

Members:

Douglas Brown
Natashia Floyd
Scott Burchyett
Katherine Green
Rhett Kimble
Daniel Newbern

Absent:

Abhi Patra

Staff:

Eric Hennessee, Staff Attorney
Tom Rose
Greg Upham
Bradly Jordan
Charles King
Tammie Mitchell
Tammy Rankin

Absent:

2nd Item: Citizen Comments

Chairman Rhett Kimble asked if there were any citizen comments to be heard by the Committee. There being none, the Committee proceeded to item #3 of the agenda.

3rd Item: Approval of Minutes of the April 18, 2022 Meeting

The Committee considered a motion by Scott Burchyett to approve the minutes of the April 18, 2022 meeting as presented. The motion was seconded by Daniel Newbern. The motion was approved unanimously. A copy of the minutes as approved is attached hereto and marked Exhibit "1".

4th Item: Old Business

There was no old business to discuss at this meeting.

5th Item: New Business

A. Consent/Correction Agenda

1. Vacant / Inactive Account List

The Stormwater Fee Vacant Account List (through 6/30/22) was presented by staff. The accounts on the list shall be re-opened with the fees being assessed to the property owners. A copy of the Stormwater Fee Vacant Account List (through 6/30/22) is attached hereto and marked as Exhibit "2".

The Committee then considered a motion by Daniel Newbern to approve this Vacant / Inactive Account List as recommended by staff. The motion was seconded by Natashaia Floyd. The motion was approved unanimously.

B. Adjustment Applications

There were no adjustment applications to consider at this meeting.

C. Credit Applications

There were no credit applications to consider at this meeting.

6th Item: Reports of Officers, Committees, or Staff

A. Greg Upham reported to the Committee that since the last meeting on 4/18/22, staff received one call/inquiry about the Storm Water User Fee.

B. Mr. Upham then presented to the Committee the Storm Water Management Program Quarterly Progress Report. This report was for the period of April 1, 2022 through June 30, 2022. A copy of this Storm Water Management Program Quarterly Progress Report is attached hereto and marked as Exhibit "3".

C. At this time, Mr. Upham presented to the Committee the Storm Water Management Program Annual Report for the MS4 permit. This report is for the period July 1, 2021 through June 30, 2022. The annual report must first be reviewed and approved by the SWAC Committee, then by the Town Council, executed by the Mayor, then submitted to TDEC.

The Committee then considered a motion by Katherine Green to approve this Annual Report as recommended by staff. The motion was seconded by Daniel Newbern. The motion was approved unanimously. A copy of this Annual Report (MS4) is attached hereto and marked as Exhibit "4".

D. Mr. Upham then presented to the Committee some statistics pertaining to the 2022 Issued Grading Permits. This table is attached hereto and marked as Exhibit "5".

7th Item: Adjournment

There being no further business to come before the Committee, a motion was made by Daniel Newbern to adjourn the meeting and a second by Douglas Brown. Without objection, the meeting was adjourned at 6:19 PM.

Submitted by:

Certified by:

Greg Upham, Secretary

Rhett Kimble, Chairman

Stormwater Fee Vacant Account List (through 6/30/22)

Item	Previous Occupant	Property Address	Account #	Monthly Fee	Vacant Date	Reason For Making Into Stormwater Only Account	Property Owner	Owner's Address
1	Advance Tech Solutions	107 Threet Street, Suite 4	15402100	\$34.93	6/7/2022	Account to be opened up in property owner's name until occupied by another tenant.	Wayne S. Waldron	415 W. Northfield Blvd. Murfreesboro, TN 37129
2	The Platimum Mermaid	1402 Hazelwood Drive	25102895	\$33.36	2/2/2022	Account to be opened up in property owner's name until occupied by another tenant.	The Industrial Development Board of Rutherford County	119 Main Street, East Murfreesboro, TN 37130

Town of Smyrna
Storm Water Management Program
Progress Report to the
Storm Water Advisory Committee
July 18, 2022 at 6:00 PM
Smyrna Town Hall /Council Chambers

- I. Discuss the following Storm Water Management (SWM) Program achievements made from: April 1 through June 30, 2022.
- A. Approximately fifty-five (55) certificates of occupancy issued this quarter were assessed for the corresponding SWU fee then reported monthly to CUD and the Town’s Public Utilities Department. In addition, one SWU fee questioned account was passed on to legal for judgment then reported to Utilities.
 - B. Mr. Rose reviewed all grading permits, in tandem with sediment control reviews by the program coordinator, and the required submittal of as-built drawings for each and every project having its own detention pond. Many applicable water quantity concerns were also addressed in a timely manner.
 - C. Received one citizen inquiry about the Storm Water Utility (SWU) user fee, which was responded to via email.
 - D. The Smyrna’s Detention Ponds and You brochure was created then mailed to more than one hundred pond owners as well as four property management firms active in middle Tennessee. This satisfies a program audit deficiency.
 - E. The Stormwater Program Coordinator emailed the Municipal Pollution Prevention Program (MPPP) guidance to each of the five participating departments; Golf, Parks, Street, Building & Grounds, Water and Sewer, and Gas for their review then emailed them a list of seven questions regarding their efforts to meet the MPPP guidance. The followup meetings with each department representative revealed that all five departments were closely following the MPPP guidance. This satisfies a MS4 permit requirement.
 - F. Staff completed writing the quarterly report to SWAC. This satisfies a MS4 permit requirement.
 - G. Reviewed twenty-two (22) sets of grading plans for new construction projects during three monthly staff plan review meetings of which eighteen (18) would eventually need grading permits then created project files once they were Planning Commission-approved. This satisfies a MS4 permit requirement.
 - H. Began contacting developers soon after their projects were Planning Commission-approved to encourage them to pass the grading permit procedures (mailed with their planning office letter) on to their project manager.
 - I. Corresponded with developers and contractors about several imminent projects concerning grading permit issues. This satisfies a MS4 permit requirement.
 - J. Reviewed, commented, signed, and dated grading plans for thirty-two (32) sets of new construction plans in preparation for grading permit issuance. This satisfies a MS4 permit requirement.
 - K. Completed sediment control measure inspections at eighteen (18) construction sites. This satisfies a MS4 permit requirement.
 - L. Facilitated grading permit pre-construction meetings for thirteen (13) new construction projects once these met all requirements now being electronically tracked on our new Progress Table. This satisfies a MS4 permit requirement.
 - M. Issued grading permits for thirteen (13) new construction projects. This brings the annual cumulative total to twenty-two (22). Town of Smyrna projects [MS4 programs are NOT exempt from the requirements they enforce, MM - 6].
 - N. Investigated two Illicit Discharge Detection and Elimination (IDDE) issues affecting Stewart Creek water quality. This resulted in both businesses being issued Notices of Violation for polluting state waters.

No.	Project Name (Imperv. Surf. Area in sf or #/residential units >> ERUs) 1 ERU, equivalent residential unit = 3,543sf	Development Type	Monthly SWU Revenue (\$)	Annual SWU Revenue (\$)
1	Freedom Playground Restrooms (Town properties are not assessed a SWU fee)	Municipal	0.00	0.00
2	Stewarts Glen; 54 homes X \$3.47 / ERU	Residential	187.38	2,248.56
3	Fire Hall 1 (Town properties are not assessed a SWU fee)	Municipal	0.00	0.00
4	Florence Road Storage II; 108,510 sf / 3,543 sf / ERU = 30.63 ERUs X \$3.47 / ERU	Commercial	106.29	1,275.48
5	ETC Gymnastics; 52,743 sf / 3,543 sf / ERU = 14.89 ERUs X \$3.47 / ERU	Commercial	51.67	620.04
6	Saddle Grove; 22 homes X \$3.47 / ERU	Residential	76.34	916.08
7	Burton Farms Annex; 34 homes X \$3.47 / ERU	Residential	117.98	1,415.76
8	The Vintage Apartments, section 1; 350,150sf / 3,543sf / ERU = 98.83 ERUs X \$3.47	Commercial	342.94	4,115.28
9	Greystone, 1C; 70 homes X \$3.47 / ERU	Residential	242.90	2,914.80
10	Southpark II; 47.4ac X 43,560sf/ac = 2,064,744sf / 3,543sf/ERU=582.77 ERUs X \$3.47	Commercial	2,022.21	24,266.52
11	Raising Cane’s; 1.22ac X 43,560sf/ac = 53,143sf / 3,543sf/ERU = 15 ERUs X \$3.47	Commercial	52.05	624.60
12	Fast Pace Clinic; 29,426sf / 3,543sf / ERU = 8.31 ERUs X \$3.47 / ERU	Commercial	28.84	346.08
13	Hollingshead Air III; 159,614sf / 3,543sf / ERU = 45.05 ERUs X \$3.47 / ERU	Commercial	156.32	1,875.84

Monthly Total – \$3,384.92 Annual Total – \$40,619.04 (\$3.47 / ERU, Equivalent Residential Unit)

- O. Bradly Jordan, Environmental Tech/Sediment Control Inspector has been on staff for at least 1 ½ years, in which he has applied his Environmental Science degree many times over. His impressive background in stream water sampling, macro-invertebrate identification, stream cleanups/outreach, and a strong command of the computer programs used by the Town of Smyrna has certainly paid off for the Town.
- i. Organized and tracked monthly inspection calendar for all construction sites.
 - ii. Conducted monthly construction inspections and electronically recorded them in CityWorks, and worked with supervisors, developers, builders, and engineers during 224 (86/April + 105/May + 33/June) construction site inspections (Of these ~98% per month are active).
 - iii. Issued no Notices of Violation/NOV for construction.
 - iv. Reviewed and commented on the new potential MS4 General Permit draft being considered by TDEC.
 - v. Assisted in the creation of a detention pond brochure mailed to more than one hundred pond owners. This satisfies a program audit deficiency.
 - vi. Continued to work with business and property owners, et al to educate and enforce detention pond corrections.
 - vii. Developed and oversaw two new Boat Day - WaterFest activities, including a plant pot painting station and child's physical activity game addressing water quality issues.
 - viii. Continued to respond to citizens' concerns.
 - ix. Reviewed nine as-built plan submittals (created by Tom Rose).
 - x. Conducted at least 127 individual construction lot erosion control inspections.
 - xi. Continued to work with the Public Works Director on several ongoing construction projects.
 - xii. Conducted another quarterly round of free standing grease receptacles, totaling 99.
 - xiii. Assisted in the monitoring of one of the two illicit discharges resulting in Notices of Violation.
- P. The quarterly SWAC meeting was held during April, with five of the seven members attending.
- Q. One volunteer group, Smyrna United Methodist Church cleaned Enon Springs Road, from Nissan Drive to Lowry Street as part of the Town's Adopt-A-Roadway program. Thank you one and all!!
- R. The Smyrna United Methodist Church also cleaned the Justice Center drainage ditch at the same time as line item Q.
- S. One family of three, a mom and two young children, cleaned a portion of Rock Springs Branch at Springhill Drive.
- T. Fourteen volunteers cleaned the Moore-Mitchell/Harts Br., Davis Park wwc, and sinkhole near SOAC/Town Center.
- U. Meanwhile, the Town of Smyrna employees held another of their quarterly Adopt-A-Highway cleanups, extending from Town Hall to Harts Branch along both sides of Lowry Street. This event consisted of 10 employees.
- V. The 14th Annual Boat Day - 16th Annual WaterFest turned out to be quite a success as 386 participants (2nd highest) enjoyed the warm weather, despite the noticeable northeasterly winds, to learn how clean water enables such fun boating experiences. Since the event, the Boat Day committee met to discuss how this event can improve.
- W. Mayor Reed signed fifty-six (56) certificates of appreciation for the volunteers who served so well in the previously mentioned community outreach efforts, which were distributed soon thereafter to these fine volunteers.
- X. The Public Works Office Coordinator handled twenty (20) new citizen inquiries regarding storm water drainage issues, while closing fifteen (15).
- Y. Continued to provide the public works director with daily reports from which this quarterly report was written. (25 program achievements and 13 Bradly Jordan achievements).



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: Town of Smyrna		MS4 Permit Number: TNS075779
Contact Person: Greg Upham		Email Address: greg.upham@townofsmymrna.org
Telephone: (615) 355-5701		MS4 Program Web Address: See section 3.C
Mailing Address: 315 S. Lowry Street		
City: Smyrna	State: TN	ZIP code: 37167

What is the current population of your MS4? 53,070 as per 2020 census

What is the reporting period for this annual report? July 1, 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/)? If yes, attach a list. x **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** x **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** x **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: EPSC measures at **construction sites** include: silt fences/eels; storm drain protection; check dams; construction entrances meeting most recent TDEC specifications, plus rolling them; daily street cleaning; fabric underlain rock aprons at all pond inlets/outlets; rock rings at pond outlet structures; fabric underlain rocked pond overflow spillways; PLUS chemical storage / spill cleanup and litter control statements on plans; cement mixer cleanouts; SWPPP boxes, and porto-lets; In addition: MS4 staff facilitates quarterly freestanding grease receptacle inspections; annual detention pond inspections for erosion et al; monthly street sweeping; storm drain inspections and cleanout; no pesticide / fertilizer application in buffer zones; restricted applications near zones; and proper chemical storage / spill cleanup procedures at all **Town facilities** as per June 2022 MPPP assessment survey of five departments. Finally, **public involvement** includes the following: Adopt-A-Stream cleanup events by five schools every fall; Adopt-A-Highway and Adopt-A-Roadway events throughout the year by local business and church / civic groups; and spring / fall stream cleanup events by businesses and church / civic groups. Cameras are mounted along less traveled roads to discourage dumping, while our **Smyrna Police Department** is taking a more aggressive role in anti-litter enforcement of garbage collection vehicles. x **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)? x **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: Smyrna, along with the other four Rutherford County (R.C.) MS4 programs, funds / supports the year-round Project WET program, which targets specific pollutant sources. At all outreach events the Town's standard Envir. Education Packet (23 brochures addressing water quality issues) is offered to all participants; this packet also includes the Stones River map, created by the R.C. MS4 programs in conjunction with the Cumberland River Compact in an effort to target known pollutant sources found in the individual subwatersheds.

Here are the 2021/2022 Project WET Contract achievements in Smyrna schools: x **Yes** No

1. Smyrna's SOAC director is now a Project WET facilitator, which means she can teach students in the Town of Smyrna and elsewhere about water quality
2. Many contact hours were recorded with at least 6 Smyrna teachers
3. Many contact hours were spent with 242 Smyrna students learning about water
4. Some 455 Smyrna students received backpacks / water bottles at waterfests
5. Some 664 Smyrna students participated in 'water festivals'
6. At least 12 Smyrna students received activity booklets, while being taught about the importance of keeping our water resources clean

Project WET is also a stalwart exhibitor at Smyrna' annual Boat Day - WaterFest as well as the Rutherford County annual WaterFest held each spring.

C. Do you have a webpage dedicated to your stormwater program? If yes, provide a link/URL: <https://www.townofsmyrna.org/departments/public-works/storm-water> x **Yes** No

D. Summarize how you advertise and publicize your public education, outreach, involvement and participation opportunities: All school principals were canvassed by letters to join the Adopt-A-Stream effort. Five schools are active in this effort and are emailed every year regarding fall participation. The Rotary Club interacts with one high school on our behalf; the Town's Facebook and Twitter sites broadcast coming events such as Boat Day, while the HR Department produces a poster for Boat Day; three electric signs are placed on main highways by Street Department, and 32 portable signs are posted in ROWs to announce Boat Day; Adopt-A-Highway and Roadway efforts are posted on the program's website and Facebook throughout the year; Adopt-A-Stream schools are presented with their updated participation trophy in front of the Storm Water Advisory Committee.

E. Summarize the public education, outreach, involvement and participation activities you completed during this reporting period: Smyrna remains a participant in the TNSA facilitated Facebook announcements. Smyrna has held stream cleanups every year since November 2005, where citizens voluntarily remove litter from areas close to, but not in streams. Before each event, we thank them for their participation and explain why their efforts are so important to water quality and the health of our stream's biota. We make every effort to distribute the aforementioned Env. Educ. Packet to every volunteer before the cleaning begins. Here are the events held in '21/'22 permit year.

- 10-9-21; 21 STEM students/teacher of Stewarts Cr. M.S. removed 9 bags of litter, close to Rocky Fork Br.
 - 11-6-21; 19 biology students/teacher of Smyrna H.S. removed 16 bags of litter, from the Davis Park wet w.c.
 - 11-20-21; 12 students/teacher of Stewarts Cr. H.S. removed 21 bags of litter held by our I-24 outlet culvert berm.
 - 11-20-21; 21 students/teacher of Rock Springs M.S. Beta Club removed 12 bags of litter from Rock Springs Br.
 - 4-2-22; 9 adult Methodist Church members removed 10 bags of litter from the Justice Center drainage ditch.
 - 4-2-22; 9 adult Methodist Church members removed 25 bags of litter from Enon Springs Rd., near Stewart Cr.
 - 4-9-22; 14 children/adults removed 15 bags of litter from Harts Br., Davis Park. wwc, and Nolan Dr. sinkhole.
 - 4-22-22; 1 mom + 2 children removed 4 bags of litter, large timber, and a heavy pipe from Rock Springs Br.
- Early spring, '22; LaVergne H.S. removed many bags of litter during its semi-annual Adopt-A-Roadway event.
- '21/'22 permit year; 18 Env. Educ. packets distributed; 99 volunteers; 9 events, removed >112 bags of litter.
- Nov., '05 >>May, '22; 981 Env. Educ. packets distributed; 1,777 volunteers; 71 events; 2,238 bags of litter.**
- 6/18/22; 14th Annual Boat Day-16th Annual WaterFest; Project WET + 3 other exhibits, 386 participants (#2)
- '21/'22 4 Storm Water Advisory Committee (SWAC) meetings were held, where 7 citizens participated.
- '21/'22 136 (7/SWAC+99/cleanups+30/Boat Day) certificates of appreciation were signed by Mayor Reed.

May, 2022; Smyrna Detention Ponds and You; wrote and assembled 8-fold brochure; text/photographs then mailed to 112 pond owners, plus 4 locally active property management firms.

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: Smyrna United Methodist Church adopted a roadway, while Adopt-A-Stream participation continues to stay at a high level.

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? x **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? x **Yes** No
- C. How many outfalls have you identified in your storm sewer system? 453
- D. Do you have an ordinance, or other regulatory mechanism, that prohibits non-stormwater discharges into your storm sewer system? x **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: Permit-required 5-year Outfall Assessment and if needed, cleanups. x **Yes** No

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

- F. How many illicit discharge related complaints were received this reporting period? 5
- G. How many illicit discharge investigations were performed this reporting period? 3
- H. Of those investigations performed, how many resulted in valid illicit discharges that were addressed and/or eliminated? 3

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? 31 - 35 (the Town issues grading permits to sites less than one acre), so this figure is low
- F. How many active priority and non-priority construction sites were inspected this reporting period? see line E
- G. How many construction related complaints were received this reporting period? 7

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: **As per TDEC** **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 < 1 acre projects are reviewed by Public Works director, who decides if a permit is needed. All < 1 acre project plans have Town's standard abbreviated SWPPP added to plans. These smaller projects still receive the same meticulous oversight as one that is 1 acre and greater.

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

- D. How many development and redevelopment project plans were reviewed for this reporting period? 54
- E. How many development and redevelopment project plans were approved/issued permits? 52
- F. How many permanent stormwater related complaints were received this reporting period? None Known
- G. How many enforcement actions were taken to address improper installation or maintenance? 10 (written/SWO)
- 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 a 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: Modifications or replacement of an ineffective activity/control measure. N/A
 Changes to the program as required by TDEC (program audit 2020) to satisfy permit requirements:
 1. Cleansers are not used during high-pressure water washing of all Street Department equipment / vehicles.
 2. Required fuel tank safety measures, including alarms at fuel tanks were installed as per Robbie Karesh, TDEC.
 3. Crafted/distributed 8-fold detention pond brochure to 100+ pond owners and 4 property management firms as per same audit by Karesh (7/2020).
 Information (e.g. additional acreage, outfalls, BMPs) on newly annexed areas and any resulting updates to your program. 160.18 ac. / annexed - 4.13 ac. / de-annexed = 156.05 ac. net gain / annexed. Plus, 1,640 linear ft. of Rocky Fork - Almaville Road frontage annexed. Gained annexed area is either not developed or will be soon.
- 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. _____ 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>100+</u>	# <u>1</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Written notices	# <u>6</u>	# <u>5</u>	# <u>2</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>4</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Withholding of plan approvals or other authorizations *	# <u>100+</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:* Many minor errors found every day *

- 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?
Improper construction entrance maintenance; infrequent street sweeping; poor maintenance of storm drain fabric.

