

December 14, 2023

Texas Commission on Environmental Quality
Stormwater Team Leader (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for City of Carrollton
TPDES Authorization: TXR040326

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040326 for the City of Carrollton.

The annual report is for Year 5 or the 5th annual report. The reporting period's beginning October 1, 2022, and ending September 30, 2023.

A separate Notice of Change has not been submitted as changes have not been proposed for the next permit year.

As required by the general permit, a copy of the report has been mailed to the TCEQ's regional office 4 in Fort Worth, Texas.

Sincerely,

Krista Pender
Environmental Quality Manager
City of Carrollton

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040326

Reporting Year (year will be either 1, 2, 3, 4, or 5): 5 (5th Report of Permit Term)

Annual Reporting Year Option Selected by MS4:

Fiscal Year: X Last day of fiscal year: (September 30, 2023)

Reporting period beginning date (month/date/year): October 1, 2022

Reporting period end date (month/date/year): September 30, 2023

MS4 Operator Level: 4

Name of MS4: City of Carrollton

Contact Name: Krista Pender

Telephone Number: 972-466-3063

Mailing Address: 1945 E. Jackson Rd., Carrollton, TX 75006

E-mail Address: krista.pender@cityofcarrollton.com

A copy of the annual report was submitted to the TCEQ Region: YES – USPS Certified Mail No. 70212720000229908838

Region the annual report was submitted to: TCEQ Region 4 – USPS Certified Mail No. 70202450000166751752

Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions: (TXR040000 Part IV.B.2)

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	x		The SWMP was approved on September 26, 2023. The City is in compliance with the approved SWMP.
Permittee is currently in compliance with recordkeeping and reporting requirements.	x		The City is in compliance with recordkeeping and reporting requirements.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	x		The City is eligible for coverage under the Small MS4 General Permit.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		An annual review of the SWMP has been conducted in conjunction with the annual report.

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**see Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
<p>1.1</p> <p>Stormwater Reading Materials</p>	<p>To educate all groups through different types of reading materials including news articles, brochures, posters and notice letters on impacts of stormwater on water quality, hazards associated with illegal discharges and improper disposal of waste, and steps they can take to reduce pollutants in stormwater.</p>	<p>Yes – Since the materials come in various formats it reaches out to a variety of groups and many people. The message of reducing the discharge of pollutants appears thorough explanations, action items, illustrative photos and other formats that not only appeal to various audiences but reiterate the message of protecting stormwater from pollution.</p> <p>Distributed 719 brochures and educational materials from display racks and educational events.</p> <p>1,999 cases were worked for high weeds and grass. The valid cases were provided educational information on the proper disposal of grass clippings.</p> <p>1,279 trash and debris cases were investigated, letters were sent to the valid cases to remediate the violation.</p> <p>80 articles appeared in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill 387 times throughout the reporting period.</p> <p>95 complexes within Carrollton received a letter containing stormwater information along with their annual inspection notice.</p>
<p>1.2</p> <p>Public Presentations and Educational Events</p>	<p>To educate residents, businesses, visitors, and commercial and industrial facilities about impacts of stormwater on water quality, hazards associated with illegal discharges and improper disposal of waste, and steps they can take to reduce pollutants in stormwater.</p>	<p>Yes – Each of the 32 (5 events 27 school) presentations or educational events were tailored to cater to the target audience thus delivering the topic in a relevant and understandable form.</p> <p>48 employees watched a General Stormwater Overview during New Employee Orientation.</p>

<p>1.3 Promotional Items</p>	<p>To educate all groups by sending stormwater messages and promoting the hotline number by providing useful items free of charge.</p>	<p>Yes – Giveaways are a great way to deliver a stormwater message especially as these are practical items that people use daily, such as pencils, erasers, pencil sharpeners, pet waste bag holders, and the like. Most giveaways included a stormwater tip to reduce pollution.</p> <p>1,181 promotional items were distributed.</p>
<p>1.4 Annual “March is Texas SmartScape™ Month</p>	<p>To educate residents, businesses, visitors, and commercial and industrial facilities about using native and adapted plants to improve water quality.</p>	<p>Yes – It is a great tool for residents and businesses that want to make changes to their landscape as March is a great time of the year to start planning.</p> <p>1 article, 2 educational displays, 200 SmartScape bookmarks and 71 SmartScape Tips information sheets were distributed, and 910 sessions with 67% new sessions from October 1, 2022- July 5, 2023, and 237 users from Carrollton from July 6, 2023- September 2023 on the Texas SmartScape website.</p>
<p>1.5 Environmental Education for Commercial and Industrial Facilities</p>	<p>To educate commercial and industrial facilities about impacts of stormwater on water quality; hazards associated with illegal discharges and improper disposal of waste; and steps they can take to reduce pollutants in stormwater through meetings and hand-outs.</p>	<p>Yes – Both general pollutants as well as characteristic pollutants from specific commercial and industrial operations are explained. This ensures a comprehensive and relevant discussion of reducing stormwater pollution from these sources.</p> <p>Two newsletters for industrial and commercial facilities were distributed in May 2023, and September 2023.</p> <p>Pollution prevention posters were distributed to food establishments during routine and permitting inspections in this fiscal year.</p> <p>The annual industry meeting was held on July 21, 2023.</p>
<p>1.6 Environmental Education for Construction Site Personnel</p>	<p>To educate construction site personnel on TPDES Construction General Permit and city ordinance requirements to ensure controls for erosion/sediments, wastes and other pollutants at construction sites via handouts and presentations.</p>	<p>Yes – A construction information packet is distributed directly to owners or contractors who have operational and financial controls over the construction project. The presentation is an overview of City and State requirements and site management expectations.</p> <p>17 Construction packets were distributed and included an overview of the requirements at the pre-construction meetings.</p>
<p>1.7</p>	<p>To educate all groups through placards placed on the storm drain</p>	<p>Yes – The stormwater message is placed directly on the storm drain inlet and it informs anyone who steps up to it two basic concepts: 1) that these structures</p>

Storm Drain Marking	to not dump or discharge any pollutants into the storm drain and where the storm drain goes.	link rain to the creeks and therefore, 2) that no pollution should be sent down through these inlets. This BMP is a real-time teaching method. 174 markers were placed.
1.8 Stormwater and Pollution Prevention Videos & Public Service Announcements	To educate all groups about impacts of stormwater on water quality; hazards associated with illegal discharges and improper disposal of waste; and steps they can take to reduce pollutants in stormwater through videos.	<p>Yes – These videos are dynamic educational tools because they include relatable, real-life situations and easy stormwater pollution prevention recommendations. The PSAs and cable slides are run on the city’s cable channel and the videos are available on the city’s stormwater website.</p> <p>4 stormwater cable slides ran on the cable channel from April 2022 – Sept 2022: Be Smart with Your Landscape, Pick Up After Your Pets, Household Hazardous Waste, and Learn How to Stop Water Robbers.</p> <p>5 stormwater videos or PSAs were shown on the cable channel from Oct 2021 – Sept 2022: Pool Care, Litter, Lawn Watering, Lawn Care, and the Toilet Is Not a Trash Can.</p> <p>10 educational videos were posted on the stormwater web page all year: Lawn Clipping Disposal, Yard Trimmings, Lawn & Yard Care, Litter, Paint Disposal, Washing Your Vehicle, Water Conservation, Stormwater Pollution (HS Students), Freddy the Fish (Children), and proper pool draining in North Texas.</p>
1.9 TCEQ FOG Initiative	To educate restaurants, apartment managers, apartment tenants, and industries about fats, oils, and grease and ways to reduce the possibility of a sanitary sewer overflow through brochures, posters, website, inspections, and presentations.	<p>Yes – The information is distributed directly to the appropriate groups whose operations have a big impact on the sewer collection system and the wastewater treatment plant and therefore can best benefit from this training.</p> <p>TCEQ grease posters were given to all new food establishments applying for a food permit via a folder with other pertinent information in this reporting period. They were also redistributed during 1,694 routine inspections as needed.</p> <p>95 letters to apartment managers were mailed.</p> <p>4,361 grease control flyers were distributed in November 2023 to all multi-family complexes.</p>

		<p>2 industries were issued NOVs for grease discharge violations in excess of the allowable loads to the sanitary sewer.</p> <p>25 articles on grease control appeared 96 times in various news media, these included the city newsletter, city website, Facebook, Twitter, and Netbill.</p> <p>Grease control information is available on the website at the following link: http://www.cityofcarrollton.com/departments/departments-g-p/public-works/fat-free-sewers</p> <p>3 presentations or educational events were conducted.</p>
1.10 Household Hazardous Waste Disposal	To educate residents about proper disposal of household hazardous waste and where they can dispose of their wastes.	<p>Yes – This provides concrete information to residents on how to properly dispose of their household hazardous wastes while providing a mechanism for citizens to provide feedback to the city.</p> <p>One household hazardous waste article ran in the November 2022 On the Horizon newsletter. It reached 33,500 subscribers.</p> <p>Information was posted on the web page at: https://www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste.</p>
1.11 Pet Waste Education	To educate pet owners about the importance of cleaning up after their pets.	<p>Yes – Educational information was distributed directly to pet owners, the group that has the most control over this issue.</p> <p>Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-a-f/animals-services/animal-ordinances</p> <p>485 Animal Ownership brochures, 180 bookmarks, and 210 Pet waste containers with trash bags were distributed.</p> <p>52 educational signs on picking up after pets were posted in various parks/trails and 25 pet waste stations were maintained at the following locations: Mary</p>

		Heads Carter (2), Clifford Hall (1), Harvest Run (2), Oak Creek (1), Harold Bessire (1), Josey Ranch Library (1), Rosemeade Dog Park (5), McInnish Dog Park (9), and Downtown Detention Pond (3).
1.12 Environmental Services website	To educate all groups on stormwater issues through a web site that is available every day of the year.	<p>Yes – Educational information is available every day of the year from any computer to those who seek the information.</p> <p>The website is updated as needed. http://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services.</p> <p>The SWMP was posted on the City of Carrollton web page. Annual report for year 4, October 2021 – September 2022 was posted on the City of Carrollton webpage on December 29, 2022. Annual reports will be posted on webpage within 30 days after the due date of each of the 5 annual reports.</p>
1.13 Electronic Newsletter for City Employees	To educate public service employees on stormwater issues and/or pollution prevention topics.	Yes – 2 newsletters were distributed directly to all employees and copies printed for those without computer access. They provided stormwater pollution prevention information employees can use in their daily lives, while reiterating their role as city employees in preventing stormwater pollution.
1.14 Environmental Education for Schools	To provide information about the stormwater educational programs that the city offers to teachers/schools.	Yes – This information is distributed to teachers/schools at the beginning of every semester or twice a year. These are helpful to, and welcomed by, the teachers and students alike.
1.15 Comply with State and Local Public Notice Requirements	To involve the public by soliciting comments on the Stormwater Pollution Prevention Ordinance and the NOI and SWMP as required.	Yes – Gives the public a chance to comment on ordinances and SWMP prior to approval by City Council or the TCEQ.

<p>1.16 Presentation of SWMP</p>	<p>To get input and support from citizens and businesses about the SWMP</p>	<p>Yes – Not only does this provide another way to educate residents on the SWMP activities, but it also ensures buy-in or ownership over the activities from citizens and businesses.</p>
<p>1.17 Illicit Discharge Reporting Line</p>	<p>To provide a means for the public to report illicit discharges 24 hours a day that the city may not notice.</p>	<p>Yes – The city’s 3 hotlines or reporting lines allow the public to report violators that the city may not discover.</p>
<p>1.18 Volunteer Creek and Greenbelt Cleanup, Recycling and Chemical Collection</p>	<p>To give residents and businesses an opportunity to participate in removing trash from city creeks, greenbelts, and parks, recycle used cooking oil, and properly dispose of medications.</p>	<p>Yes – This is another tangible way to involve citizens, groups, and businesses to help clean up waterways or dispose of medications and FOG appropriately. 30 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot on 114 different days and collected 538 bags of trash. 2 new Adopt-A-Spot groups joined the program for a total of 21 adopted locations.</p> <p>The cooking oil disposal event held on November 29-30, 2022, collected 315 gallons.</p> <p>Drug Take Back events collected 2,223 lbs. of materials.</p>
<p>1.19 Citizens Advisory Committee</p>	<p>To involve residents, industries, school districts, etc. to be involved in the implementation of the SWMP.</p>	<p>Yes – The broad representation of various groups (two independent school districts, businesses, a citizen and a representative from the city’s Neighborhood Advisory Commission ensures input from the main sectors within the city.</p> <p>The Stormwater Advisory Committee Meeting was held on June 13, 2023.</p>
<p>2.1 Storm Sewer System Map</p>	<p>To complete and verify a map of all outfalls in the city.</p>	<p>Yes – This map of the outfalls and inlets facilitates an efficient and systematic method to trace discharges to the stormwater system, as well as mitigating releases to the stormwater system.</p>

		There is a total of 1,241 outfalls.
2.2 Stormwater Pollution Prevention Ordinance and Enforcement Response Guide	To develop and implement an ordinance to prohibit non-stormwater discharges.	Yes – This gives the city the legal authority to prohibit and enforce non-stormwater discharges into the stormwater system. The ordinance also serves to inform every one of their responsibilities towards preventing stormwater pollution.
2.3 Spill/Emergency Response	To respond quickly to and clean up accidental or intentional releases of hazardous materials by having a staff member available for spill response 24/7.	Yes – This ensures coverage by trained staff for spill remediation, reporting, and enforcement during all times, thereby minimizing the adverse impact of releases to the stormwater system. 112 spills or discharges were investigated and remediated if found valid.
2.4 Illicit Discharge Reporting Line	To provide a means for the public to report illicit discharges 24 hours a day that the city may not notice.	Yes – The city’s 3 reporting lines allow citizens to report discharges 24 hours a day and therefore ensures the timely response by trained staff to respond to these illicit discharges.
2.5 Construction Plans Review and Site Inspection for Illicit Connections	To review construction plans and perform site inspections for detection and elimination of illicit connections.	Yes – This ensures that there are no illicit connections during the building process. 100% of new construction projects underwent site plan review and were inspected to ensure no illicit connections. Reviewed 28 new commercial permits and 41 new residential permits.
2.6 Illegal Dumping	To eliminate illegal dumping and littering through abatement and enforcement activities.	Yes – This not only establishes the quick removal of illegal dumping and litter, but also deters repeat violators.

		17 cases were investigated during this reporting period and the 8 valid cases have been abated, were in the process of being abated, or referred to another department. All were followed up with enforcement where appropriate.
2.7 Liquid Waste Program	To reduce the impact that liquid waste haulers, liquid waste generators, and septic systems have on water quality through inspections, permits, inventory, and monitoring.	Yes – This program lays down the permitting process, responsibilities, and sanctions for violators which will limit stormwater pollution from indiscriminate dumping of liquid waste and negligent/lack of grease/grit trap maintenance. 118 trucks permitted from 35 companies, and trip tickets were tracked and verified. 8 NOVs were issued. An inventory of 9 septic systems remained.
2.8 Maintenance Program for Sanitary Sewers	To prevent and reduce sanitary sewer overflows through proactive maintenance of the sanitary sewer system.	Yes – This maintenance program reduces and prevents sanitary sewer overflows, thus reducing and preventing stormwater pollution. Maintenance and inspections continued during this reporting period. 176 miles of the required 194 miles were cleaned during this reporting period. 102,775 feet were smoke tested during this reporting period. 107,075 feet were TV'd during this reporting period. 2,219 manholes were inspected during this reporting period. 306 have been repaired in this reporting period. 1,040 inspections have been completed at the 19 sewer lift stations during this reporting period. Starting in August 2021 a 20 th lift station was added and inspected. 9 sites listed on the 30-day list were maintained every month. 6 city SSOs occurred and were remediated in this reporting period.

<p>2.9 Pet Waste Management</p>	<p>To require pet owners to remove pet wastes from both public and private areas.</p>	<p>Yes – This program not only establishes the responsibilities of pet owners to clean-up after their pets, but also educates them on the impact of pet waste on the quality of surface water. Trash cans, pet waste bags, and educational signs are available at various parks.</p> <p>Received 35 complaints and all were investigated.</p>
<p>2.10 Dry Weather Discharge Screening</p>	<p>To participate in the regional protocol for dry weather screening and continue to implement the program at the selected outfalls.</p>	<p>Yes – This is a clear method to detect illicit discharges and thereby the remediation, elimination, and targeted education of the areas where these are detected. 55 outfalls were monitored two times during the year for a total of 220 screenings.</p>
<p>2.11 Household Hazardous Waste Program</p>	<p>To provide residents with a means of disposing of their household hazardous waste.</p>	<p>Yes – The program provided a way for residents to dispose of their household hazardous waste properly, at no additional cost, and at their curbside, thereby encouraging for the timely and easy disposal.</p> <p>142,889 pounds of material was disposed of through this program.</p>
<p>2.12 Water Main Breaks Response</p>	<p>To implement a response plan to reduce the amount of chlorine and sediment that gets discharged into creeks from water main breaks.</p>	<p>Yes – This response plan can help minimize the impact that chlorine and sediment have on creeks and wildlife.</p>
<p>2.13 Employee Training Detecting for Illicit Discharges</p>	<p>To train all field employees on spotting illicit discharges and who to contact when they see one.</p>	<p>Yes – This enables the city to have many more eyes looking for illicit discharges, allows for quicker response, and less damage to wildlife and surface waters.</p>

<p>2.14 Floatables</p>	<p>To prevent floatables from entering waterways through education, inspections, and direct removal.</p>	<p>Yes – These activities help reduce the amount of floatables in waterways through inspections and trash/debris removal by city employees, residents, and businesses.</p> <p>1,279 trash and debris cases were investigated, letters were sent to the valid cases to remediate the violation.</p> <p>1,694 inspections at 722 food establishments were performed in this reporting period.</p> <p>538 bags of trash were removed from waterways by volunteers, 11,863 pieces of trash were collected by Public Works, and trash was picked up by Parks per their schedule in this reporting period.</p> <p>3,156 inlets were inspected in this reporting period.</p> <p>The structural control at Josey Ranch Lake was cleaned 12 times and collected 120 lbs. of trash and debris before it reached waterways. The grate at San Chester was cleaned 8 times and collected about 125 lbs. of debris.</p>
<p>3.1 Ordinance for Construction Site Erosion and Sediment Controls and Enforcement</p>	<p>To develop an ordinance requiring construction site operators to implement appropriate erosion and sediment control and to control wastes at construction sites for all land disturbances, regardless of size.</p>	<p>Yes - This provides the city with the legal authority to prohibit non-stormwater discharges and to enforce compliance with federal/state stormwater permits for construction activities.</p>
<p>3.2 Stormwater Pollution Prevention Plan Review and Submission of NOI/CSN</p>	<p>To ensure that construction sites are in compliance with the TPDES Construction General Permit by requiring the submission of their NOI, CSN, and SWPPP for the city to review.</p>	<p>Yes – This ensures that the construction site operators are aware of their responsibilities and have put in writing their plan to meet the requirements under the TPDES Construction General Permit as we require the operator/owner to submit a copy of the SWPPP during plan review.</p>

<p>3.3 Construction Site Inspection</p>	<p>To ensure proper installation and maintenance of sediment and erosion control measures by inspecting all active private construction sites regardless of the size of the land disturbance.</p>	<p>Yes – The inspections ascertain that the stormwater BMP’s are installed and maintained, and changes are updated on their Construction SWPPP.</p> <p>100% of construction sites were inspected. 28 SWPPP inspections were conducted during this reporting period from Building Inspection and 12 from Engineering.</p>
<p>3.4 Response to Citizen Complaints</p>	<p>To respond to public inquiries, concerns, and complaints regarding all construction sites regardless of the size of the land disturbance.</p>	<p>Yes - The hotline provides a means for the public to report problems at construction sites and allows the city to respond quickly, especially if there is an illicit discharge.</p>
<p>3.5 Stormwater Information Package for Construction Site Operators</p>	<p>To educate construction site operators by distributing the city and state construction requirements information package to construction site operators applying for a grading or building permit regardless of the size of the land disturbance.</p>	<p>Yes - The handouts are a great way to distribute information to the contractors. In addition to the handouts, a mini presentation is given to the contractors and owners, so they hear exactly what the city expects of them.</p> <p>17 educational packets were distributed and discussed during preconstruction meetings.</p>
<p>3.6 Preconstruction Meetings</p>	<p>To discuss erosion/sediment controls, pollution prevention practices, waste management, and TPDES requirements by conducting meetings for all operators of construction sites applying for a grading or building permit with the city, regardless of the size of the land disturbance.</p>	<p>Yes – The meetings give us an opportunity to provide information directly to the contractors and owners prior to land disturbance. An overview of what is required is covered in the meeting with a chance to ask questions.</p> <p>17 preconstruction meetings were held with all grading or building permit applicants during this reporting period.</p>
<p>3.7 Employee Training</p>	<p>To train construction inspectors and enforcement officers on inspecting construction sites.</p>	<p>Yes – The training provides standards and updated information for construction inspectors to be able to give proper assessment of construction sites on whether it is protective of stormwater quality.</p>

		Building Inspection concluded construction training on December 20, 2022, and January 2023.
3.8 Construction Site Inventory	To maintain an active construction project list.	Yes – This ensures that departments keep track of their active projects and their current construction phase.
4.1 Stormwater and Flood Protection Ordinance, and General Design Standards	To identify additional opportunities for implementation of control measures that will assist the city in reducing pollutants in stormwater from new or redeveloped areas.	Yes – These are tools that direct growth to identified areas, protect ecologically sensitive areas, minimize impervious surfaces, and provide buffers along sensitive water bodies. The city continued to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects.
4.2 Long-Term Operation and Maintenance Plan for Structural BMPs	To ensure long-term operation and maintenance for structural BMPs constructed on public or private property.	Yes – This ensures that structural controls are performing to its optimum through inspections and maintenance schedules. 10 post-construction structural controls were inspected in this reporting period.
4.3 Site Plan Review	To ensure compliance with limits on maximum runoff rate, maximum impervious coverage, minimum landscaped area, minimum neighborhood park area for residential projects, and tree preservation requirements by reviewing all plans for new development/redevelopment.	Yes – This comprehensive assessment considers water quality impacts from the beginning stages of a project and provides more opportunities for water quality protection.
4.4 Green Space Preservation	To ensure green space preservation by requiring each new or redeveloped single-family residential project that disturbs	Yes – Preserving pervious surfaces allows runoff to infiltrate into the ground; some of the pollutants are removed by the soil and vegetation or allowed to settle out, while reducing the volume and velocity of runoff.

	one acre or greater to dedicate a portion of the land to neighborhood parks.	
4.5 Tree Preservation Ordinance	To prohibit the removal of certain species of protected trees.	Yes - This provides small, but essential, green spaces that break up a landscape of impervious surfaces and provide pockets for runoff infiltration.
4.6 Inspection of Structural BMPs during Construction	To ensure proper installation and maintenance of sediment and erosion control measures by inspecting all active private construction sites regardless of the size of the land disturbance.	Yes – This ensures the stormwater BMP’s are installed properly, routinely inspected, and maintained so that these function efficiently in reducing/preventing polluted runoff from construction sites. See Section 3.3 Construction Site Inspection.
4.7 Limited Mowing Height	To protect the soil from erosion due to rain or irrigation by limiting the mowing of grass in parks areas to a minimum height and by designating no-mow areas.	Yes - City mowers were set for a minimum height of 2.5 inches. This protects the soil from erosion and can allow for additional infiltration, reducing runoff.
5.1 Parks and Open Space Maintenance	To maintain city parks and open spaces by reducing the amount of pesticides and fertilizer used in parks and open spaces through the use of native plants in landscaping, mulching mowers, buffer and no mow areas, and removal of trash.	Yes – The utilization of native plants, mulching, buffer and no mow areas, proper mowing practices and the like reduces applied pesticides and fertilizers, yard waste, and serves as a pollutant source reduction practice. Regular trash pick-up removes floatables from these areas as well.
5.2 Road and Bridge Maintenance	To reduce water pollution from streets by sweeping the major streets once a month, picking up trash from roadways and ditches, and implementing erosion and	Yes – This directly removes various pollutants from roadways and ditches on a regular basis. 2,899 curb miles were swept, and 11,863 pieces of trash were collected in this reporting period.

	pollution prevention practices during street repair activities.	
5.3 Fleet Maintenance	To implement pollution prevention measures through inspections, good housekeeping practices, and spill response.	Yes – This reduces the impact the city’s fleet maintenance has on the environment from repairs, vehicle washing, fuel areas, and spills. This also entails recycling and proper disposal of the various waste streams like used oil, anti-freeze, and tires.
5.4 Municipal Buildings and Parking Lots Maintenance	To develop and implement a pollution prevention plan for the maintenance of city facilities.	Yes – This reduces the impact the city may have on the stormwater system during building and parking lot maintenance.
5.5 Storm Sewer System Maintenance	To ensure the stormwater system is functioning properly by inspecting and maintaining the stormwater system.	Yes – These routine inspections help determine if there are problems with the stormwater system and allows for the timely repair and maintenance to have these functioning efficiently. During this reporting period 100% of the city-maintained channels were inspected. 3,156 inlets were inspected. 104 inspections were conducted between the 2 lift stations in this reporting period.
5.6 Waste Reduction of Information Technology and Communications Operations	To further reduce pollution from hazardous materials in batteries and computer equipment by recycling or properly disposing these.	Yes - Proper disposal of batteries and computer equipment reduces the impact that these items have on the environment.

5.7 Grease, Sand and Grit Interceptor Maintenance	To prevent sanitary sewer overflows by maintaining the city's grease, sand, and grit interceptors.	Yes – The inspection of these interceptors, both physically and through trip tickets, ensures proper frequency of pumping thereby preventing or reducing SSO's.
5.8 Sand and Deicer Storage Locations	To reduce pollution run-off from sand, liquid deicer, and salt through proper storage, efficient application, and clean-up.	Yes – Proper storage, efficient application, and timely cleanup reduces consequent pollution resulting from these necessary safety applications while also reducing material costs. Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.
5.9 City Owned Facilities	To list, inspect, and determine each facility potential to impact on stormwater.	Yes – These assessments aid in characterizing priority facilities in terms of monitoring and applying additional or site-specific BMPs to prevent pollution of the stormwater system. All 11 high priority facilities were inspected during this reporting period.
5.10 Structural Control Maintenance and Waste Disposal	To ensure the optimal operation of city owned structural controls by keeping an inventory, ensuring maintenance of, and proper disposal of waste from these structures.	Yes – The maintenance of structural controls allows these to function properly and ensures the reduction of pollutants from getting into the surface waters.
5.11 New Construction and Land Disturbance	To apply for TPDES General Construction Permit for applicable city construction projects and ensure all permit requirements are met.	Yes – This ensures that the city's construction projects are in compliance with state requirements.
5.12 Contractor Oversight Procedures	Contractually require contractors to comply with pollution prevention measures and ensure through oversight that they are following those procedures.	Yes – This enables the city better oversight over their hired contractors.

5.13 Fire Fighting Training Activities	To prevent the discharge of chlorinated water to the storm drain or creek by researching and implementing alternative methods for fire training activities.	Yes - Following the SOP reduces the intrusion of chlorine and other chemicals into the surface waters and reduces its impact on fish and wildlife during training activities.
5.14 Employee Stormwater Pollution Prevention Training Program	To train all employees responsible for municipal operations subject to the pollution prevention and good housekeeping program.	Yes – This training provides both general stormwater pollution prevention practices for municipal operations and also discusses operation-specific consequences and BMPs to minimize/prevent any adverse impacts.
5.15 Flood Control Projects	To assess all impacts of receiving water for all flood control projects and implement changes on future flood control projects.	Yes – Flood control is directly linked to stormwater management. Structural flood control devices will also help improve water quality.
6.1 Inspection of Industrial Facilities	To conduct inspections of industries that may impact stormwater through their discharges and identify, or keep records of, industries that are required to obtain a stormwater permit.	Yes – The inspection of industries establishes direct contact with one group of potential stormwater polluters in the city, provides an assessment of their operations vis-à-vis impacts on stormwater quality and recommendations to bring them into compliance with TCEQ’s MSGP requirements and the city’s stormwater ordinance. During this reporting period the city conducted 106 inspections at industries.
6.2	To determine impacts on the stormwater system through	Yes – The inspection of commercial facilities establishes direct contact with one group of potential stormwater polluters in the city, provides an assessment of

Inventory/ Inspection of Commercial Facilities	inventory and inspection of commercial facilities.	<p>their services vis-à-vis impacts on stormwater quality and recommendations to bring them into compliance with the city’s stormwater ordinance.</p> <p>The city performed 1,694 inspections at 722 food establishments this reporting period.</p> <p>The city inspected 44 commercial facilities during this reporting period.</p> <p>785 inspections were completed at the 622 grease/grit traps during this reporting period.</p>
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3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the MEP. If no progress was made or the BMP did not result in reduction in pollutants, provide an explanation. Use the table below to meet this requirement (see Example 2 in instructions):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	1.1 Stormwater Reading Materials	Brochures	719 brochures and educational materials from display racks and educational events. 1,999 high weeds and grass cases were investigated resulting in letters being sent to valid cases. These letters included information on proper handling of yard waste. 1,279 trash and debris cases were investigated, letters were sent to the valid cases to remediate the violation.	Brochures	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public and apartments to become educated on stormwater issues through brochures, news briefs and letters to apartment managers. When citizens are educated on stormwater issues, they will be more likely to correct negative actions, reducing the amount of pollutants produced.
		News Briefs to local paper, city newsletter, or social media twice a year.	80 articles appeared in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill 387 times in the reporting period.	Articles	
		Stormwater letters to apartment complexes	All 95 complexes within Carrollton received a letter.	Letters	
1	1.2 Public Presentations	Presentations and Outreach Activities	32 presentations or outreach activities were conducted including 48 employees completing the general stormwater overview during their New Employee Orientation.	Presentations and outreach activities	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public to become more educated on stormwater issues through presentations and outreach activities. When citizens are educated in person on stormwater issues, they will be more likely to correct negative actions, reducing the amount of pollutants produced.

1	1.3 Promotional Items	Giveaways	1,181 promotional items were distributed.	Giveaways	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public to become more educated on stormwater. By using useful giveaways, citizens receive contact information and often a stormwater message on how to correct negative actions, reducing the amount of pollutants produced.
1	1.4 Annual “March is Texas SmartScape™ Month	Outreach Activity	2 educational displays 1 article ran in the February 2023 edition of On the Horizon 200 SmartScape bookmarks and 71 SmartScape Tips handouts were distributed. 910 sessions with 67% new sessions from October 1, 2022- July 5, 2023, with 237 users from Carrollton from July 6, 2023- September 30, 2023, sessions on the SmartScape NTCGOG website.	Educational displays, bookmarks, pamphlets, and website sessions.	No, This BMP poses as an indirect reduction of pollutants. The SmartScape program is a regional program that addresses three very important environmental issues in Texas, water conservation, pesticide use, and fertilizer use reducing stormwater pollution. Promoting this program in March, during the planting season, increases outreach and reduces the amount of water, pesticides, and fertilizer used.
1	1.5 Environmental Education for Commercial	Educational Materials	A packet of information was distributed to all new food establishments that applied for a permit; the packet included pollution prevention posters and grease posters. The pollution prevention posters continued to be distributed to	Information packets, newsletters, posters, and inspections	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for commercial and industrial facilities to become educated on stormwater issues through newsletters, posters, and annual meetings. When commercial and industrial facility employees are educated

	and Industrial Facilities		<p>food establishments during routine inspections as needed.</p> <p>1,694 Restaurant inspections</p> <p>Two newsletters for industrial and commercial facilities were distributed in May 2023 and September 2023.</p>		on stormwater issues, they will be more likely to correct negative actions, reducing the amount of pollutants produced.
		Industry education meeting	Annual Industry Meeting was held July 21, 2023.	Meeting	
1	1.6 Environmental Education for Construction Site Personnel	Construction Packet	<p>Construction packets distributed.</p> <p>17 pre-construction meetings.</p>	Information packet, verbal presentations, meetings	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for construction site operators to become educated on stormwater regulations upheld in Carrollton. When construction site operators are educated on Carrollton's stormwater regulations, they will be more likely to correct negative actions when they arise, reducing the amount of pollutants produced.

1	1.7 Storm Drain Marking	Storm drain markers	174 markers were placed	Storm drain markers	No, This BMP poses as an indirect reduction of pollutants. The storm drain marker program promotes and educates the public that only rain goes down the storm drain. Placing 100 markers per year increases the amount of storm drains that are marked. When storm drains are marked it provides a way to educate the public who may be less likely to pollute because they are more aware of where storm drains lead.
1	1.8 Storm Water and Pollution Prevention Videos and Public Service Announcements	Cable channels	9 stormwater cable slides and PSAs	PSA videos	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public to become educated on stormwater issues through cable slides and educational videos. When citizens are educated on stormwater issues, they will be more likely to correct negative actions, reducing the amount of pollutants produced.
List of Videos	No new videos were obtained during this reporting period	Videos			
Website	10 posted educational videos: <ul style="list-style-type: none"> • Lawn Clipping Disposal • Yard Trimmings • Lawn & Yard Care • Litter • Paint Disposal 	Posted videos			

			<ul style="list-style-type: none"> • Proper Pool Draining in North Texas • Washing Your Vehicle • Water Conservation • Stormwater Pollution (HS Students) • Freddy the Fish (Children) 		
1	1.9 TCEQ FOG Initiative	TCEQ Grease posters	TCEQ Grease posters were given to all new food establishments applying for a food permit via a folder with other pertinent information in this report period. They are also redistributed during routine inspections as needed.	Posters	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public, food establishments, and apartments to become educated on how to reduce fats, oils, and grease in the sanitary sewer system through letters to apartments, inspections, brochures, articles, and outreach events. When the public is educated on proper handling of fats, oils, and grease they will be more likely to correct negative actions, reducing the amount of FOG that entered into the sanitary sewer system reducing possible sanitary sewer overflows. 1 video ran every day on cable tv, posters were distributed advertising the grease recycling event, and 25 articles on grease
		Letter to apartment managers	95 letters were mailed to apartment managers.	Letters	
		Food Establishment Inspections	1,694 food establishment inspections	Inspections	
		Apartment residents	4,361 Grease control flyers were distributed in November 2023 to all multi-family complexes.	FOG control brochures	

		Industries	2 industries were issued a Notice of Violation for grease during this reporting period.	Grease control information	control or recycling appeared in various news media 96 times, these included the city newsletter, city website, Facebook, Twitter, and Netbill.
		Articles	1 video ran every day on the cable channel, 25 articles on grease control or recycling appeared in various news media 96 times, these included the city newsletter, city website, Facebook, Twitter, and Netbill.	Articles	
		Website	Grease control information is available on the website at the following link: http://www.cityofcarrollton.com/departments/departments-g-p/public-works/fat-free-sewers	Grease control information	
		Presentations and Outreach events	3 presentations or educational events.	Presentations and outreach events	
1	1.10 Household Hazardous Waste Site	Bill Insert	1 article/newsletter was developed.	Article	No, This BMP poses as an indirect reduction of pollutants. This provided a medium to educate citizens on how to properly dispose of household hazardous waste through bill inserts and website information.
		Household Hazardous waste bill insert	1 household hazardous article ran in the November 2022 edition of the On the Horizon and reached 33,500 subscribers.	Article	

		Household hazardous waste website	Posted on the web page at: https://www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste .	Website information	
1	1.11 Pet Waste Education	Website	Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-a-f/animals-services/animal-ordinances 485 Animal Ownership brochures 180 bookmarks 210 pet waste containers with bags	Website	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the residents to become educated on proper pet waste disposal through giveaways, brochures, website information, and signage. When the public is educated on proper disposal of pet waste, they will be more likely to correct negative actions, reducing the amount of pollutants produced through pet waste. Providing pet waste stations gave residents access to the materials to pick up after their pets.
		Pet Owners Requirements		Brochures	
		Pet waste bookmarks		Bookmarks	
		Pet waste bags		Pet waste bags	
		Pet Waste	52 educational signs in various parks and trails and 25 pet waste stations were maintained at the following locations: Mary Heads Carter (2) Clifford Hall (1) Harvest Run (2) Harold Bessire (1) Oak Creek (1)	Signs and pet waste stations	

			<p>Josey Ranch Library (1)</p> <p>Rosemeade Dog Park (5)</p> <p>McInnish Dog Park (9)</p> <p>Downtown Regional Detention Pond (3)</p>		
1	1.12 Environmental Services Website	Environmental Services Website	The website is updated as needed. http://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services .	Website information	No, This BMP poses as an indirect reduction of pollutants. Posting the Stormwater Management Plan and annual reports on the City of Carrollton webpage allows the public to view and comment on steps the city is taking to reduce pollution to the maximum extent practicable. The stormwater website provided various information on reducing pollutants to residents, businesses, and more.
		SWMP Posted	The SWMP was posted on the City of Carrollton web page in the first year of the permit term. The SWMP was approved on September 28, 2023.	Website	
		Annual Reports	The annual report for year 4, October 2021– September 2022 was posted on the City of Carrollton webpage on December 29, 2022. Annual reports will be posted on webpage within 30 days after due date of each of the 5 annual reports.	Website	

1	1.13 Electronic Newsletter for City Employees	City Employees	2 newsletters were distributed	Newsletters	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for city employees to become educated on stormwater pollution and how it is preventable in the workplace. When city employees are educated on stormwater issues, they will be more likely to correct negative actions, reducing the amount of pollutants discharged.
1	1.14 Environmental Education for Schools.	Schools	The city's Water/Environmental education programs were emailed to CFBISD and LISD twice during this reporting period. March 2023 – CFBISD, LISD August 2023 – CFBISD, LISD	Stormwater Education program flyer	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the city to promote stormwater education programs to teachers. When students are educated on stormwater issues, they will be more likely to correct negative actions and encourage their parents to do the same, reducing the amount of pollutants produced.
1	1.15 Comply with State and Local Public Notice Requirements	Public notice	The new 2019-2024 permit has not been approved by TCEQ. The 2019 – 2024 permit states this item must be completed as determined by TCEQ. Public notice was published in the Dallas Morning News on July 13, 2023.	Public notice published	No, This BMP does not reduce the amount of pollutants that enter the waters of Texas but allows residents to comment on the city's Stormwater Management Plan.
		Public Meeting	A public meeting was determined to not be necessary by TCEQ.	Meeting	

1	1.16 Presentation of SWMP	Presentation	One public presentation to introduce approved SWMP within 90 days from written receipt of TCEQ's approval of the SWMP	Presentation	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for citizens to become educated on the stormwater program and the steps the city is taking to reduce stormwater pollution to the maximum extent practical.
		Presentation	One public presentation in the 5 th year of the permit term to update/evaluate SWMP for the next permit term.	Presentation	
1	1.17 Illicit Discharge Reporting Line	Hotlines	Non-emergency line: 972-466-3333 Environmental Services: 972-466-3060 Pump Station: 972-466-3425	Phone line	Yes – This provided a medium for the public to report discharges that the city may not have discovered. Citizens were active in reporting lawn companies blowing grass clippings and leaves into the street or storm inlet, pool discharges, and other illicit discharges.
1	1.18 Volunteer Creek and Greenbelt Cleanup, Recycling, and Chemical Collection	Trash Clean-up and Recycling Events	30 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot on 114 different days and collected 538 bags of trash. 2 new Adopt-A-Spot groups joined the program for a total of 21 adopted locations. The cooking oil disposal event held on November 29-30, 2022, collected 315 gallons. Drug Take Back events collected 2,223 lbs. of materials.	Volunteer Records, Cooking Oil Recycling and Drug Take-back event records.	Yes – This was an effective way to involve citizens and businesses to help cleanup and had a direct reduction in the amount of pollutants (floatables) in the stormwater system. The medication and grease events provided disposal or recycling methods, keeping this waste out of the sanitary sewer system, landfills, and waterways.

		Volunteer programs	2 litter reduction programs Adopt-A-Spot and Waterway Clean-up. These opportunities are posted on JustServe (https://www.justserve.org/projects) and the city webpage (https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/volunteer-opportunities).	Stormwater volunteer programs website	
1	1.19 Citizens Advisory Committee	Meeting	Stormwater Advisory Committee Meeting was held June 13, 2023.	Meeting	No, This BMP poses as an indirect reduction of pollutants. The stormwater advisory committee utilizes members of the Carrollton community to provide input on what changes and ideas they would like to see in the stormwater program, as well as select a topic of focus to educate the public in this permit term.
		Topic selected	2 educational topics selected: Landscaping Debris and Household Hazardous Waste program.	Educational topic	
		Education materials	Current education material was reviewed, and new ideas were given.	Education materials	
		Distribution of information	Distribution of the educational material developed by the Citizens Advisory Committee is included in Section 1.1 Stormwater Reading Materials.	Educational materials	
2	2.1	Verification of new outfalls	Total of 1,241 outfalls.	Outfalls	Yes, This BMP poses as a direct reduction of pollutants. Keeping the stormwater map up to date allowed the on-call person to

	Storm Sewer System Map	Updated Map	A list of outfalls to be added has been maintained and the map will be updated as workflow allows.	Maps	respond to and remediate spills and discharges at a quicker rate.
2	2.2 Stormwater Pollution Prevention Ordinance and Enforcement Response Guide	Ordinance revisions	Ordinance revisions were complete on September 11, 2020, and was adopted on January 12, 2021.	Ordinance Revisions	Yes and no, This BMP poses as a direct and indirect reduction of pollutants. Reviewing and updating the city ordinance allows the city to stay current with new stormwater regulations. An ordinance allowed the city to prohibit stormwater pollution and require remediation when appropriate.
		Adopted by Council	Adopted on January 12, 2021	Council meeting	
		ERP	Enforcement Response Guide/SOP was continually implemented.	ERP and SOP	
2	2.3 Spill Response	Complaints and Inspections	112 spills or discharges were responded to.	Inspections	Yes – Since spills do not just occur during office hours it is imperative to have a staff member available all the time. Having staff on-call 24 hours 7 days a week allowed us to remediate any spill or discharge that could have affected Carrollton’s waterways.
		Spill Response Manual	Spill Response Manual was updated in August, September, and October 2020.	Manual updates	
2	2.4 Illicit Discharge Reporting Line	Illicit discharge hotline	Business Hours 972-466-3060 After hours non-emergency 972-466-3333 Pump Station: 972-466-3425	Hotlines	Yes – These allowed citizens to report discharges 24 hours a day. Citizens actively assisted in reporting illicit discharges that the city may otherwise not have known about.

2	2.5 Construction Plans Review and Site Inspection for Illicit Connections	Construction Sites	100% of new construction projects underwent site plan review and were inspected to ensure no illicit connections. Reviewed 28 new commercial permits and 41 new residential permits.	Plan Review and Inspections	Yes – Ensured that there were no illicit connections to the storm drain system during the building process, especially through the inspection phase.
2	2.6 Illegal Dumping and Litter Control	Illegal Dumping Cases	17 reported illegal dumping incidents.	Inspections	Yes – This is a direct reduction in pollution. The city responded to all reports of illegal dumping and ensured that all valid cases were remediated.
Abated Incidents		17 cases were investigated in this reporting period. 8 of these cases were found to be valid and were abated, in the process of being abated, or sent to another department for assistance.	Inspections		
Enforcement		100% of the illegal dumping cases where there was an identifiable party was followed up by an enforcement action.	Inspections		
2	2.7 Liquid Waste Program	Liquid Waste Hauler Permit Inspection	Permitted 118 trucks.	Inspections	Yes – This established a direct contact and monitoring for liquid waste generators and disposers. Liquid waste haulers were required to be permitted in the city and to use city trip tickets to verify that they were disposing of waste properly. Facilities were required to use permitted liquid waste haulers and city inspectors verified this during inspections.
Liquid Waste Hauler to submit tickets		Trip tickets were required to be submitted monthly. Enforcement actions were initiated when identified as not being completed.	Trip Tickets		
Facilities with liquid waste hauler		Trip tickets were reviewed during each routine inspection.	Trip tickets		

		Inventory of septic system	9 Septic systems remain within Carrollton.	Inventory	
		SOP for septic systems (prevent and correct any leaking on-site sewage disposal system)	SOP was maintained.	SOP	
2	2.8 Maintenance Program for Sanitary Sewers	Sewer Maintenance	Maintenance and inspections continued during this reporting period.	Inspections	Yes – The regular cleaning and maintenance of the sanitary sewer system reduced and prevented sanitary sewer overflows.
		Miles of sewer lines to clean	176 miles of the required 194 miles were cleaned during this reporting period.	Miles cleaned	
		Smoke and Dye testing	102,775 feet were smoke tested during this reporting period.	Miles Tested	
		Closed-circuit television inspections	107,075 feet were TV'd during this reporting period.	Feet inspected	
		Manhole inspections	2,219 manholes were inspected during this reporting period.	Inspections	
		Repaired manholes	306 have been repaired in this reporting period.	Repairs	

		Lift station inspections	1,040 inspections have been completed at the 20 sewer lift stations during this reporting period. The 20 th lift station was added and began inspections in August 2021.	Inspections	
		High-Risk section of sanitary sewer	The 9 sites listed on the 30-day list were cleaned monthly.	30-day List	
2	2.9 Pet Waste Management	Pet Waste Complaints	Received 35 complaints and all were investigated.	Inspections	Yes – This required pet owners to clean up their pet’s waste. City staff responded to and investigated all complaints.
2	2.10 Dry Weather Discharge Screening	Training	3 employees attended the Dry Weather Field Screening Workshop on June 16, 2023.	Training certificates	Yes – This was a concrete way to detect and eliminate illicit discharges. Dry weather screening was performed twice at the 69 selected outfalls for a total of 276 screenings during this reporting period.
		Outfall selections	55 outfalls were selected to be monitored for this permit term on September 17, 2020.	Outfall selections	
		Dry weather Manual Review	Review completed November 24, 2020.	SOP Review	
		Dry Weather Field Screening	Dry weather screening was conducted in February-March 2023 and June-August 2023. 55 outfalls were monitored 220 times.	Monitoring	
		Implementation	Implementation of this BMP is complete.	Implemented	

2	2.11 Household Hazardous Waste Program	Household Hazardous Waste Program for Residents	142,889 pounds of material was collected and disposed of through this program.	Pounds disposed	Yes – This program allowed residents to dispose of their household hazardous waste properly. Having a service for household hazardous waste reduces the amount of waste that could be improperly disposed of in the environment.
2	2.12 Water Main Breaks	Response Procedures	SOP Response procedures continued to be implemented.	SOP	Yes, This BMP poses as a direct reduction of pollutants. When city staff are properly trained on water main break response procedures, employees can reduce the impact of chlorine and sediment on waterways.
2	2.13 Employee Training Detecting for Illicit Discharges	Employees	Parks and Recreation, Environmental Services, Public Works, and some Police Officers completed the training.	Training	Yes, This BMP poses as a direct reduction of pollutants. When city staff is educated on what an illicit discharge is and who to contact, responding employees can remediate spills or discharges quickly and efficiently.
2	2.14 Floatables	Trash & Debris Cases	1,279 trash and debris cases were investigated.	Inspections	Yes – This program helps reduce the amount of floatables through NOVs, inspections, and trash and debris removals or clean-ups.
		Food Inspections	1,694 inspections were conducted at 722 food establishments during this reporting period.	Inspections	
		Waterway clean-up & Adopt-A-Spot	538 bags of trash were removed from waterways by volunteers.	Number of bags of trash removed	

		Parks clean-up	Trash was picked up by Parks crews per their schedule in the reporting period.	Trash removal Schedule	
		Inlet inspections	3,156 inlets were inspected in this reporting period.	Inspections	
		9000 pieces of trash removal	11,863 pieces of trash were collected in this reporting period.	Amount of Trash	
		Structural controls	2 structural controls One structural control is at Josey Ranch Lake. A second structural control was installed in the pond off Eisenhower and Parkwood.	Locations	
		Install structural control	Both structural controls were installed – Josey Ranch Lake and San Chester pond. The control at San Chester pond off Eisenhower and Parkwood was installed on July 8, 2021.	Installed devices	
		Maintenance structural control	The structural control at Josey Ranch Lake was cleaned 12 times and collected 120 lbs. of trash and debris before it reached waterways. The grate at San Chester was cleaned 8 times and collected about 125 lbs. of debris.	Monthly Maintenance records and pounds of trash and debris removed	

3	3.1 Ordinance for Construction Site Erosion and Sediment Controls and Enforcement	Ordinance	The city continued to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide.	Ordinance and ERP	Yes, This BMP poses as a direct reduction of pollutants. Implementing the Stormwater and Flood Protection, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide gives the city the authority to require structural controls and a basis for prohibiting illicit discharges.
		Ordinance	The Stormwater and flood Protection Ordinance was reviewed, and no changes are needed at this time. The Stormwater Pollution Prevention Ordinance was approved by council on January 12, 2021.	Ordinance	
3	3.2 Plan Review for SWPPP and Submission of NOI/CS	Construction SOP and SWPPP submittals	An SOP is in place and both departments required a SWPPP and NOI/CSN to be submitted before a permit was issued. Both are reviewed for content.	SOP	No, This BMP poses as an indirect reducer of pollutants. Maintaining this SOP ensured all construction sites had a SWPPP for their site.
3	3.3 Construction Site Inspection	Construction Site inspection SO	The SOP was maintained and followed for site inspection and enforcement requirements.	SOP	Yes – This ensured that each site had a SWPPP and stormwater BMP’s were installed and maintained.
		Construction site Inspections	Inspections of active construction sites that were greater or equal to 1 acre or are part of the larger common plan of development were completed in this reporting period. 40 inspections were performed between Building Inspection and Engineering.	Inspections	

3	3.4 Response to Citizen Complaints	Inspection Requests Hotline	Inspection Requests Hotline 972 - 466 -3370	Hotlines	Yes – The hotline provided a means for the public to report problems at construction sites and allowed the city to respond quickly, especially when there was an illicit discharge.
3	3.5 Stormwater Information Package for Construction Site Operators	Construction Educational Packet	17 preconstruction meetings 17 educational packets	Information packets	No – This BMP is an indirect reduction of pollutants. This provided a medium for construction site operators to become educated on stormwater regulations upheld in Carrollton. When construction site operators are educated on Carrollton’s stormwater regulations, they will be more likely to correct negative actions when they arise, reducing the amount of pollutants produced.
3	3.6 Preconstruction Meetings	Preconstruction Meetings	17 preconstruction meetings were held with all grading or building permit applicants during this reporting period.	Meetings	No – This BMP poses as an indirect reduction of pollutants. These mini presentations over stormwater regulations provided a medium for construction site operators to become educated on stormwater regulations upheld in Carrollton. When construction site operators were educated on Carrollton’s stormwater regulations, they will be more likely to correct negative actions when they arise, reducing the amount of pollutants produced.

3	3.7 Employee Training	Construction Training for Inspections	Building Inspection conducted training on December 20, 2022, and January 2023.	Training	No – This BMP poses as an indirect reduction of pollutants. Through employee training, employees responsible for the construction inspections will be able to better spot stormwater violations and requirements.
3	3.8 Construction Site Inventory	Active Construction Site	Development Services and Engineering maintained an inventory of their active construction sites.	Inventory list	No – This BMP poses as an indirect reduction of pollutants. Maintaining an active construction inventory list allows the city to keep track and inspect all construction sites, possible polluters, in Carrollton.
4	4.1 Stormwater and Flood Protection Ordinance and General Design Standards	Stormwater Construction Ordinance and Stormwater and Flood Protection Ordinance	The city continued to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects.	Ordinance	Yes – This BMP poses as a direct reduction of pollutants. Implementing the Stormwater and Flood Protection Ordinance, General design standards, and the ERG gives city employees a guideline for regulating stormwater standards in Carrollton and requiring structural controls.
		General Design Review	The General design standards review began in August 2021.	General Design standards	
		ERG Review	The ERG was reviewed on October 6, 2022.	ERG	

4	4.2 Long-Term Operation and Maintenance Plan for Structural BMPs	List of structural BMPs	A list of structural BMP's to be inspected was maintained.	List of structural BMPs	Yes – This BMP poses as a direct reduction of pollutants. Inspections ensure structural BMPs are functioning properly or require deficiencies to be repaired.
		Maintenance Plan Receipt	The city continued to implement procedures and methods to ensure the long-term maintenance of city structural BMPs.	SOP	
		Structural BMP Inspections	10 post-construction structural controls were inspected in this reporting period.	Inspections	
		Enforcement	No enforcement was taken.	Enforcement records	
4	4.3 Construction Site Plan Review	Site plan review	Site plan review was performed on 100% of new and redeveloped projects.	SOP	No – This BMP poses as an indirect reduction of pollutants. Maintaining and following the site plan review SOP ensures stormwater controls are in place and have been reviewed by city staff.
		SOP	SOP for Construction Site Plan Review was maintained and followed	SOP	
4	4.4 Green Space Preservation	Ordinance	The green space preservation policies applied to 100% of new projects in this reporting term.	Ordinance	Yes – This BMP poses as a direct reduction of pollutants. Maintaining and implementing the green space preservation policy ensures that these new construction sites will re-dedicate green spaces at new/ redeveloped sites. Green spaces act as a natural erosion control.

4	4.5 Tree Preservation Ordinance	Ordinance	The Tree Preservation Ordinance continued to be implemented in this reporting period	Ordinance	Yes – This BMP poses as a direct reduction of pollutants. Maintaining and implementing the tree preservation ordinance provides small but essential green spaces that break up impervious surfaces and provides runoff filtration. Trees act as a natural erosion control.
4	4.6 Inspection of Structural BMPs during Construction	Construction Structural Control BMP Inspections	See Section 3.3 Construction Site Inspection.	Inspections	Yes – This BMP poses as a direct reduction of pollutants. Ensuring structural BMPs are installed properly causes a reduction of pollutants.
4	4.7 Limited Mowing Height	Mowed at minimum height	Mowers were set for a minimum height of 2.5 inches.	Mowing SOP	Yes – This requirement protected the soil from erosion and allowed for additional infiltration, reducing runoff, and trapping some floatables.
5	5.1 Parks and Open Space Maintenance	200 days of trash removal and park maintenance	Mowing crews picked up trash; used mulching mowers; leaf blowers were used to blow clippings back onto the grass at least 200 days in this reporting period according to their schedule. The structural control at Josey Ranch Lake was cleaned 12 times and collected 120 lbs. of trash and debris before it reached waterways. The grate at San Chester	Schedule and yard waste maintenance	Yes – This program reduced the amount of pollutants from city parks and Parks operations. In addition to the normal trash pick up the crews used mulching mowers; leaf blowers were used to blow clippings back onto the grass, used buffer zones, planted native plants, followed chemical application plans, and properly disposed of chemicals.

			was cleaned 8 times and collected about 125 lbs. of debris.		
		Buffer no mow zones	16 buffer and no mow zones to help with erosion and pollutant removal.	Buffer zones	
		Landscaping native species & mowing restrictions	No wildflower mix was purchased during this reporting period but continued to implement native species in landscaping as needed. Mowing height restrictions continued at 2.5 inches.	Purchase records	
		Chemical applications	A schedule for chemical application on all public spaces was maintained and implemented.	Schedule	
		Pollutants of Concern	A list of pollutants of concern from mowing, chemical application, and planting vegetation was maintained.	List of pollutants	
		IPMP Plan for pesticides and fertilizers	The Integrated Pest Management Plans continued to be implemented for Animal Services and Parks and Recreation.	IPMP Plan	
		Disposal for Chemicals	The SOP was maintained and followed.	SOP	
		Licensed Pesticide Applicators and Irrigators	7 Licensed Pesticide Applicators (Parks 5, Animal Services 1, ICGC 1) 1 Irrigation Technician	Licenses	

5	5.2 Road and Bridge Maintenance	Street sweepings	2,899 curb miles were swept	Sweeping records	Yes – The city directly removed various pollutants from roadways and ditches. Major arterials and selected city parking lots were swept monthly. Crews also removed trash from the roadways and ditches during this reporting period.
		Street sweeping SOP	The SOP for street sweeping waste material disposal was maintained. Disposal locations were verified on November 9, 2021.	Contracts	
		Trash removal	11,863 pieces of trash were collected in this reporting period.	Amount of trash removed	
		Road and Bridge Repair SOP	The erosion and pollution prevention guidelines from road and bridge repair operations were maintained and followed.	SOP	
		Pollutants of concern	List of Pollutants of concern from road and bridge maintenance was maintained.	List of pollutants	
5	5.3 Fleet Maintenance	Fleet Inspections & SPCC	Inspections at maintenance and fueling facilities continued. SPCCs were updated in October 2022.	Inspections	Yes – This reduced the impact the city’s fleet maintenance had on the environment with the collection, recycling, and proper disposal of its various waste streams.
		SOP for maintenance facilities	The SOPs for each of the three maintenance facilities were maintained.	SOPs	

		Vehicle washing	City vehicles and equipment were washed at the wash bays or a contracted commercial facility.	SOPs	
		Vehicle Washing SOP	The SOP for vehicle and equipment washing was maintained.	SOPs	
		Sand Trap Servicing and Leaking Vehicle BMPs	Traps were serviced as required, wash bays are under cover, spill response and pollution prevention plans were continued, spill kits and signs were maintained, the plan to address leaks from vehicles during normal use by a city employee continued.	Trip Tickets and forms	
		Parts & Materials Storage	Fleet stores all materials under cover or inside the building except repaired vehicles and vehicles to be repaired. Recycling continued for used oil, antifreeze, oil filters, used tires, batteries, cardboard, spent solvent, and scrap metal.	SOPs	
		Leaking vehicle form	Forms continued to be signed by all employees during New Employee Orientation (NEO).	Leaking vehicle forms	
		Inspection Central Service Center and Public Works Yard	The annual inspection was completed on April 17 & 18, 2023.	Inspections	
		Indian Creek Golf Course Quarterly Inspections	Inspections were performed quarterly.	Inspections	

5	5.4 Municipal Buildings and Parking Lots Maintenance	SPCC	SPCC and the pollution prevention plan continued to be implemented. Waste reduction and recycling options continued for office materials at city facilities.	SPCC	Yes – This reduced the impact the city had on the environment during building and parking lot maintenance.
		Municipal building, and parking lot inspections	Municipal buildings, parking lots and the public works yard were inspected in this fiscal year.	Inspections	
		Spill Response	The spill response manual was reviewed in this permit term.	SOP	
		Pollutants of Concern	A list of pollutants of concern from municipal building and parking lots maintenance has been maintained.	List of Pollutants	
5	5.5 Storm Sewer System Maintenance	Channel Inspections	During this reporting period 100% of the city-maintained channels were inspected. 3,156 inlets were inspected.	Inspections	Yes – Routine inspections helped determine if there were problems with the stormwater system, then the areas that needed to have maintenance were prioritized.
		Channel Maintenance SOP Review	Schedule for maintenance operations was updated in a previous reporting year.	SOP	
		Complaints	Complaints were addressed as needed.	Inspections	

		Storm lift station inspections	104 inspections between the 2 lift stations in this reporting period.	Inspections	
		Potential Problem areas	List of potential problem areas for increased inspections has been maintained.	List of potential problem areas	
5	5.6 Waste Reduction of Information Technology and Communications Operations	IT Recycling	The city continued to recycle all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations this reporting period.	Recycling certificate	Yes – Recycling of batteries and computer equipment reduced the impact that these items would have had the environment. The City recycled equipment 5 times during this reporting period.
		Procedures	Procedures are in place and continue to be implemented to collect and recycle batteries from deployed equipment including cell phones, two-way radios, and uninterruptible power supply.	SOP	
5	5.7 Grease, Sand and Grit Trap Maintenance	Cleaning of traps	All city traps/interceptors are being pumped in accordance with the city ordinance or variance approval through Environmental Services.	Trip Ticket records	Yes – Maintaining the grease/grit traps helped prevent SSO's from city facilities.
5	5.8 Sand Storage Locations	Salt and Deicer SOP	635 gallons of liquid deicer and 549,025 lbs. of sand was used in this reporting period.	Amount of Deicer used	Yes – Proper storage, application, and cleanup prevented unnecessary pollution during icy conditions.
		MSDS for Salt and Deicer	SDSs were maintained on site.	SDS Records	
		Controls for Sand and Salt	Controls were in place for sand, salt, and liquid deicer.	SOP	

		Pollutants of Concern	List of pollutants of concern from the three materials used was maintained.	List of pollutants	
		Public Works SOP	Written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP were included in the SOP for the Public Works yard.	SOP	
		Sand, Salt, and Liquid Deicer Control Inspections	Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.	Inspections	
5	5.9 City Owned Facilities	City Facility Inventory	An inventory of city-owned facilities was maintained.	Inventory	Yes – Through inspections and best management practices (BMPs) the amount of pollution from city facilities was reduced, especially at high priority facilities.
		Maps of city owned facilities	A map of city-owned facilities & other stormwater controls was maintained.	City map	
		Assessment of high priority facilities	High Priority Facility inspections were completed on July 14, 2021.	Inspections	
		High Priority Facilities	<p>11 High Priority facilities:</p> <ul style="list-style-type: none"> • Animal Services • Bobby Ballard Pump Station • Central Service Center (fleet, fuel station, Public Works Yard) • Indian Creek Golf Club 	Inspections	

			<ul style="list-style-type: none"> • Rosemeade Rec Center, Park & Dog Park • PD Fuel Station • Sandy Lake Service Center • McInnish Dog Park • South Service Center • Fire Station #7 		
		Facility Specific SOP Review	Public Works, Parks and Rec, and ICGC were all reviewed in the previous reporting period. Fire and Facilities/Fleet SOPs were reviewed in November 2022.	SOP	
		SOP for New High Priority Facilities	The new SOPs were created in July-August 2021	SOP	
		High Priority inspections	All 11 high priority facilities were inspected during this reporting period in April 2023.	Inspections	
5	5.10 Structural Control Maintenance and Waste Disposal	Inventory	Inventory of structural controls was maintained.	Inventory list	Yes – Maintaining city owned and operated structural controls reduced pollutants in creeks from city facilities.
		Inspections	Inspections of structural controls was completed in this reporting period	Inspections	

5	5.11 New Construction and Land Disturbance	TPDES Construction General Permit	The city complied with TPDES construction permit requirements for those projects that were applicable.	SWPPP TPDES construction general permit	Yes, this acted as a direct reduction of pollutants. Requiring construction sites and contractors to follow the TPDES construction general permit reduces pollutants from construction sites.
		Comply with Requirements	Contractors were required to comply with the TPDES construction permit requirements.	SWPPP Ordinance and TPDES construction general permit	
5	5.12 Contractor Oversight Procedures	List of contractors	The list of contractors was maintained.	List of contractors	Yes, This BMP poses as a direct reduction of pollutants. Maintaining a list of contractors and conducting oversight inspections ensured contractors complied with the stormwater ordinance, good housekeeping practices, and facility-specific SOPs.
		Contractually require Stormwater Compliance	Contractors were required to comply with stormwater control measures, good housekeeping practices, and facility-specific SOPs.	Contract Requirements	
		Oversite protocol	Oversite procedures continued during this reporting period.	Inspections	
5	5.13 Fire Fighting Training Activities	BMPs for firefighting training	Fire Department continued to implement BMPs during training activities.	SOP	Yes - This reduced pollutants, chlorine and other chemicals, from being discharged into the storm drain or creek during training activities.
5	5.14 Employee Stormwater Pollution Prevention Training Program	NCTCOG Pollution Prevention Taskforce	Staff attended the NCTCOG Pollution Prevention Task Force Meetings and participated in developing training materials.	Meeting sign in sheets	Yes – The city continued to participate in the NCTCOG Pollution Prevention Task Force. This task force helps the city develop new training and education materials for city employees.
		Pollution Prevention Training	All city employee training was completed July-August 2023.	Training sign-in sheets	City employees that may potentially directly impact stormwater through city operations (like Parks and Recreation, Streets,

					Drainage, Water, Wastewater) will be trained to identify areas in their work that could be causes for pollution and to recognize or change behaviors.
5	5.15 Flood Control Projects	List of flood control devices	A list was created and approved on November 25, 2020.	List of flood controls	Yes – This plan will improve structural flood controls in the city by retrofitting existing structures if applicable to remove pollutants from stormwater to the maximum extent possible. New structures will be designed, constructed, and maintained to provide erosion prevention and pollutant removal from stormwater.
		Evaluate structure control	The structural controls were evaluated, and one was selected to be retrofitted. The start date is tentatively late 2023.	Inspections	
		Develop plan for retrofitting	A plan for retrofitting has been developed with a tentative start date in late 2023.	Plan	
		Assessment of new flood control projects	Impacts of receiving waters for all new flood control projects will be reviewed when designed.	Project plans	
		New structural flood control requirements	All of the new flood control structures would be required to be designed, constructed, and maintained to provide erosion prevention and pollutant removal from stormwater; however, no new structural flood controls were installed in this reporting period.	SOPs	
6	6.1	Inspect industrial facilities	During this reporting period the city conducted 106 inspections at industries.	Inspections	Yes – Inspections provide direct observations and contact for potential or actual discharges with the industries in the city. Inspections required corrective actions

	Inspection of Industrial Facilities	NPDES TPDES MSGP Compliance	Industries have been identified and required to obtain coverage under the MSGP during inspections. The waste survey is done every 3 years.	Surveys and Inspections	and follow-ups for violations seen. Coverage under the MSGP is maintained for each applicable industry
6	6.2 Inventory/ Inspection of Commercial Facilities	Inventory	An inventory of grease/grit traps has been maintained.	Inventory list	Yes – Provided direct contact and inspections to look for potential or actual discharges with the commercial businesses in the city (some commercial facilities, food establishments, and grit and grease traps).
		Food establishment grease trap	The city performed 1,694 inspections at the 722 food establishments this reporting period.	Inspections	
		Commercial Inspections	The city inspected 44 commercial facilities during this reporting period.	Inspections	
		Grease/grit trap inspections	785 inspections were performed of the 622 grease/grit traps during this reporting period.	Inspections	
		Implementation	BMP implemented.	Complete	

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (**see Example 3 in instructions**):


MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1.1 Stormwater Reading Materials	1. Distribute copies of brochures to all display racks at city buildings and at all public events and presentations. (200 per year).	Exceeded Goal – In this reporting period the city distributed 719 brochures and educational materials from display racks and educational events.
	2. News briefs in local paper or mailers/utility bill inserts twice a year.	Exceeded Goal – In this reporting period 80 articles appeared 387 times in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill throughout this reporting period.

	3. Continue to update and distribute the stormwater letters to all apartment managers currently in the database.	Met Goal – The stormwater letters were mailed to apartment complexes or managers. Each of the 95 complexes within Carrollton received a letter.
1.2 Public Presentations	1. Four presentations or outreach activities per year.	Exceeded Goal – Conducted 80 presentations or outreach activities in this reporting period, which included the New Employee Orientation training on a general stormwater overview. (5 events, 27 school, 48 NEO)
1.3 Promotional Items	1. Distribute 200 promotional items per year.	Exceeded Goal – During this reporting period staff distributed 1,181 promotional items.
1.4 Annual “March is Texas SmartScape™ Month”	1. Determine a level of participation in the regional “March is Texas SmartScape™ Month” program based on available resources and select an outreach activity to conduct. Complete coordination with NCTCOG annually and conduct the selected activity(ies) annually in March. Repeat each year.	Met Goal – In February 2023, the city ran an article in the On the Horizon newsletter promoting March as Texas SmartScape month. This article promoted citizens to participate in SmartScape and directed them to the lobby display of Hebron & Josey Library and the SmartScape website for more information. 2 SmartScape display windows were up for the entire month of March at the Hebron & Josey Library and Josey Ranch Lake Library. During the time the libraries were open staff distributed 200 SmartScape bookmarks and 71 SmartScape Tips handouts. According to NCTCOG, Carrollton had 910 sessions with 67% new sessions from October 1, 2022- July 5, 2023, and 237 users from Carrollton from July 6, 2023- September 30, 2023, on the Texas SmartScape website.
1.5 Environmental Education for Commercial and Industrial Facilities	1. Twice a year, develop educational items related to pollution prevention for industrial and commercial facilities. Ensure 100% of applicable food establishments have applicable posters.	Met Goal - A packet of information was distributed to all new food establishments that applied for a permit; the packet included pollution prevention posters and grease posters. The pollution prevention posters continued to be distributed to food establishments during routine inspections as needed. Two newsletters for industrial and commercial facilities were developed and distributed in May 2023 and September 2023.

	2. Hold annual industry meeting.	Met Goal – The annual industry meeting was held on July 21, 2023.
1.6 Environmental Education for Construction Site Personnel	1. Distribute information packet to 100% of applicants for a grading or building permit.	Met Goal – Distributed stormwater information during the 17 preconstruction meetings.
1.7 Storm Drain Marking	1. Placement or replacement of 100 markers per year.	Exceeded Goal – City employees and volunteers placed 174 markers in this reporting period.
1.8 Stormwater and Pollution Prevention Videos and Public Service Announcements	1. Continue broadcast of Stormwater Management video or PSA's on local cable public access channel and on the stormwater webpage.	Goal Met – 9 cable slides and PSAs ran every day at 6:45 pm Stormwater videos are posted on the stormwater web page. (4 SW cable slides, 5 videos)
	2. Evaluate acquisition of other videos and incorporate to video library if appropriate.	Met Goal – No new videos were acquired during this reporting period. No new acquisitions received.
	3. Maintain library of videos annually. Include information on the web site.	Met Goal – A library of videos is available and posted on the stormwater website. https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/storm-water-videos
1.9 TCEQ FOG Initiative	1. Distribute a TCEQ Grease poster to every new and existing restaurant currently in database listed as having a grease trap at least once a year.	Met Goal – TCEQ Grease posters were given to all new food establishments applying for a food permit via a folder with other pertinent information in this report period. They were also redistributed during routine inspections as needed.
	2. Distribute an educational letter to every manager of an apartment complex currently in the database at least once every year.	Goal Met – Educational letters have been distributed to all 95 apartment managers in conjunction with their annual inspection notice in this reporting period.
	3. Routine inspections for posters displayed and redistribute posters as needed for every restaurant currently in database at least once per year.	Goal Met – This was checked during each routine inspection for applicable establishments and documented on the inspection sheet. New posters were distributed as needed.
	4. Distribute grease control information to tenants in all multifamily complexes yearly.	Met Goal (Delayed) –4,361 grease control flyers were distributed in November 2023 to all multi-family complexes. Distribution was delayed due to a 3-month staff shortage.

	5. Distribute grease control information to 100% of industries with grease violations yearly if applicable.	Met Goal – 2 industries were identified as needing Notice of Violations during this reporting period.
	6. Grease control information provided in water bills, the city newsletter, or on social media three times a year.	Exceeded Goal – 1 video ran every day on cable tv, posters were distributed advertising the grease recycling event, and 25 articles on grease control or recycling appeared in various news media 96 times, these included the city newsletter, city website, Facebook, Twitter, and Netbill.
	7. Information posted on the city website every day of the year.	Goal Met – Grease control information is available on the website at the following link: http://www.cityofcarrollton.com/departments/departments-g-p/public-works/fat-free-sewers .
	8. Three presentations or outreach activities per year.	Met Goal – 3 presentations or educational events were conducted during this reporting period.
1.10	1. Develop one mailer or water bill insert per year.	Met Goal– One article/newsletter was developed and ran in November 2022 On the Horizon Newsletter.
Household Hazardous Waste Site	2. Distribute mailers or water bill inserts to 32,000 residents yearly.	Exceeded Goal – The household hazardous waste article ran in the November 2022 edition of the On the Horizon newsletter. It reached 33,500 subscribers.
	3. Post information on the web page every day of the year.	Met Goal – Posted on the web page at: https://www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste .
1.11	1. Distribute to all residents adopting or reclaiming a pet, at presentations, and public events. Post information on the website.	Met Goal – The following educational items were distributed at Animal Services and public events/presentations: bookmarks – 180; Pet waste containers with bags – 210; Animal Ownership brochures – 485. Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-a-f/animals-services/animal-ordinances
Pet Waste Education	2. Maintain 52 signs and 25 pet waste stations at the dog parks and greenbelts/trails as needed.	Met Goal – 52 Signs and 25 pet waste stations were maintained. The locations for pet waste stations were Mary Heads Carter(2), Clifford Hall (1), Harvest run (2), Harold Bessire (1), Oak Creek (1), Josey Ranch Library (1), Rosemeade Dog Park (5), McInnish Dog Park (9), and Downtown Regional Detention Pond(3).

1.12 Environmental Services Website	1. Information posted on the webpage will be available every day of the year.	Met Goal – the website is updated as needed. http://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services .
	2. SWMP posted on the web page.	Met Goal – The approved SWMP continued to be posted on the City of Carrollton web page. https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality/stormwater
	3. Annual reports posted on the webpage.	Met Goal – Annual report for year 4, October 1, 2021 – September 30, 2022, posted on the City of Carrollton Stormwater webpage on December 29, 2022. Annual reports will be posted on webpage within 30 days after due date of each of the 5 annual reports.
1.13 Electronic Newsletter for City Employees	1. Distribution of two electronic newsletters per year.	Met Goal – During this reporting period 2 newsletters were developed and distributed in May 2023 and June 2023.
1.14 Environmental Educational for Schools	1. Develop and distribute a list of programs available to the three public school districts in Carrollton yearly.	Met Goal – The information packet on the Water/Environmental education programs was emailed in March 2023 and August 2023 to CFBISD and LISD.


<p>1.15</p> <p>Comply with State and Local Public Notice Requirements</p>	<p>1. Publish notice of TCEQ determination on NOI and SWMP.</p> <p>2. Publish notice of Public Meeting if determined to be necessary by TCEQ.</p>	<p>Met Goal – Public notice was published in the Dallas Morning News on July 13, 2023.</p> <p>Met Goal – a public meeting was determined to not be necessary by TCEQ.</p>
<p>1.16</p> <p>Presentation of SWMP</p>	<p>1. One public presentation to introduce approved SWMP within 90 days from written receipt of TCEQ’s approval of the SWMP.</p> <p>2. One public presentation in the 5th year of the permit term to update/evaluate SWMP for the next permit term.</p>	<p>On Track - The SWMP was approved on September 28, 2023.</p> <p>The due date is January 24, 2024.</p>
<p>1.17</p> <p>Illicit Discharge Reporting Line</p>	<p>1. The “hotline” to report illicit discharges is available every day of the year.</p>	<p>Met Goal – The 3-reporting lines were active during this reporting period.</p> 
<p>1.18</p> <p>Volunteer Creek and Greenbelt Cleanup, Recycling and Chemical Collection</p>	<p>1. City hosts one annual creek clean-up, recycling day, or chemical collection day.</p>	<p>Exceeded Goal – In this reporting period: Creek clean-ups had 30 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot on 114 different days and collected 538 bags of trash. 2 new Adopt-A-Spot groups joined the program for a total of 21 adopted locations.</p> <p>The cooking oil disposal event held on November 29-30, 2022, collected 315 gallons.</p> <p>Drug Take Back events collected 2,223 lbs. of materials.</p>

	2. Provide volunteers opportunities to reduce litter in waterways and greenbelts.	Met Goal – The city offers two litter reduction programs Adopt-A-Spot and Waterway Clean Up. These opportunities are posted on JustServe: (https://www.justserve.org/projects) and the city webpage: (https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/volunteer-opportunities).
1.19 Citizens Advisory Committee	1. Annual meetings with Citizen Advisory Committee.	Met Goal – Held June 13, 2023.
	2. Select Stormwater topic	Met Goal - This permit term the committee selected two outreach topics: Landscaping Debris and Household Hazardous Waste Program.
	3. Develop Educational Materials	Met Goal - Materials were developed and shown to the group during the meeting.
	4. Distribute to Residents	Met Goal – The educational materials developed by the Citizens Advisory Committee are included in Section 1.1 Stormwater Reading Materials.
2.1 Storm Sewer System Map	1. Verification of new or newly discovered outfalls.	Met Goal – total of 1,241 outfalls. A list of outfalls to be added has been created.
	2. Map continuously updated as new data is obtained.	On-Track – A list of outfalls to be added has been created and the map will be updated as workflow allows.
2.2 Stormwater Pollution Prevention Ordinance and Enforcement Response Guide	1 Review and revise (if needed) the Stormwater Pollution Prevention Ordinance once during the permit term.	Met Goal - Ordinance revisions were complete on September 11, 2020.
	2. Adoption of ordinance by City Council, as needed.	Met Goal – Ord. 5058 was adopted by Council on January 12, 2021.
	3. Continue to implement the Enforcement Response Guide/SOP.	Met Goal – Enforcement Response Guide/SOP was continually implemented.
2.3 Spill/Emergency Response	1. Respond to spills within 1 hour 95% of the time.	Met Goal – In this reporting period, staff responded to approximately 112 spills or discharges within 1 hour 98% of the time.
	2. Review and revise the spill response manual once during the permit term. Revise if necessary.	Met Goal - Spill Response Manual was updated in August, September, and October 2020.
2.4 Illicit Discharge Reporting Line	1. This BMP has been discussed in a previous section on the Public Participation and Involvement Minimum Control Measure, as BMP1.17. Achievements in this reporting period are described in said section.	Met Goal – See BMP 1.17

<p>2.5</p> <p>Construction Plans Review and Site Inspection for Illicit Connections</p>	<p>1. 100% of new construction projects will undergo site plan review and will be inspected to ensure no illicit connections. Engineering will continue to require a video of all new storm and sewer lines which gets reviewed by staff.</p>	<p>Met Goal – 100% new construction projects underwent site plan review and were inspected to ensure no illicit connections. Reviewed 28 new commercial permits and 41 new residential permits.</p>
<p>2.6</p> <p>Illegal Dumping</p>	<p>1. 90% active illegal dumping incidents respond within one hour.</p>	<p>Met Goal – There were 17 reported illegal dumping incidents. All active illegal dumping cases were responded to within an hour.</p>
	<p>2. 100% abatement of illegal dumping incidents.</p>	<p>Met Goal – All valid cases have either been abated or in the process of being abated during this reporting year.</p>
	<p>3. 100% incidents with identifiable responsible party to be followed by enforcement action.</p>	<p>Met Goal – 100% of the illegal dumping cases where there was an identifiable party was followed up by an enforcement action.</p>
<p>2.7</p> <p>Liquid Waste Program</p>	<p>1. 100% permitted liquid waste haulers inspected once a year.</p>	<p>Met Goal – Permitted 118 trucks.</p>
	<p>2. 100% permitted liquid waste haulers to submit used tickets monthly.</p>	<p>Met Goal – Trip tickets were required to be submitted monthly. Enforcement actions were initiated when identified as not being completed. 8 NOVs were issued for either not having a permit, not filling out/submitting trip tickets properly, or not having a permit.</p>
	<p>3. 100% identified facilities to use a permitted liquid waste hauler.</p>	<p>Met Goal – Trip tickets are reviewed during each routine inspection.</p>
	<p>4. Review and update, if necessary, the inventory of septic tanks in the city once per term.</p>	<p>Met Goal – Reviewed and updated on October 22, 2020 – 9 septic systems.</p>
	<p>5. Maintain the SOP to prevent and correct any leaking on-site sewage disposal system.</p>	<p>Met Goal – SOP was maintained.</p>
<p>2.8</p> <p>Maintenance Program for Sanitary Sewers</p>	<p>1. Annual maintenance and inspection of the sanitary sewer system.</p>	<p>Met Goal – Annual maintenance and inspections of sanitary sewer system continued this reporting period.</p>
	<p>2. Clean miles of sewer lines based on the 5-year cycle. (Year 5 of the cycle was 194 miles to be cleaned)</p>	<p>Did not meet Goal – 176 miles of the required 194 miles were cleaned during this reporting period. The wastewater team experienced a staff shortage for 3 months where the crew was operating with 6 out of 8 employees.</p>
	<p>3. Smoke and dye testing of 100,000 feet per year.</p>	<p>Exceeded Goal – 102,775 feet of smoke and dye testing was completed during this reporting period.</p>

	4. Conduct closed-circuit television inspections of 100,000 feet per year.	Exceeded Goal – 107,075 feet were TV'd during this reporting period.
	5. Inspect 2,100 manholes per year.	Exceeded Goal – 2,219 manholes were inspected during this reporting period.
	6. Repair and/or bring to grade 300 manholes per year.	Exceeded Goal – 306 have been repaired in this reporting period.
	7. Lift stations inspected monthly.	Exceeded Goal – 1,040 inspections have been completed at the 20 sewer lift stations during this reporting period. The 20th lift station was added and began inspections in August 2021.
	8. Tag high-risk sections of sanitary sewer system for inspection/ maintenance every 30 days (i.e., Maintain 30-day list). Review annually.	Met Goal – The 9 sites on the 30-day list were maintained every month.
2.9 Pet Waste Management	1. Investigate all (100%) complaints received regarding improper disposal of pet waste.	Met Goal – Received 35 complaints and all were investigated.
2.10 Dry Weather Discharge Screening	1. All Environmental Quality full-time employees or consultants will attend the NCTCOG regional dry weather screening protocol training at least once. Refreshers will be done as needed.	Met Goal - 3 employees attended the Dry Weather Field Screening workshop on June 16, 2023. Carrollton also assisted in developing the course with NCTCOG and participated in presenting at this event.
	2. Determine the priority locations for screening and have a map of the areas.	Met Goal - Priority locations were chosen on September 17, 2020. 55 new locations were chosen.
	3. Review and revise the Dry Weather Field Screening Manual once during the permit term.	Met Goal – Dry Weather Field Screening Manual was reviewed and updated on November 24, 2020.
	4. Continue Dry Weather Field Screening at the priority locations.	Met Goal – Dry weather screening was conducted twice in this reporting period during February-March 2023 and June-August 2023. 55 outfalls were monitored 220 times.
	5. Implementation Complete.	Met Goal – BMP has been implemented.
2.11 Household Hazardous Waste Program	1. Provide a household hazardous waste disposal program for 100% of single-family residents in Carrollton. The number of households that use the program and the pounds collected will be tracked monthly.	Met Goal – Service was provided through Waste Management and Republic www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste . In this reporting period, residents disposed of 142,889 pounds of materials through this program.

2.12 Water Main Breaks	1. Response procedures in place.	Met Goal – Response procedures continued to be implemented.
2.13 Employee Training for Detecting Illicit Discharges	1. Provide training to all field employees at least once in the permit term.	Met Goal – All field employees were trained in July-August 2023.
2.14 Floatables	1. Trash and debris letters mailed to all residents and businesses in violation of the ordinance.	Met Goal – In this reporting period 1,279 trash and debris cases were investigated.
	2. 100% of food establishment’s dumpsters inspected for lids, drain plugs, and ground free of litter.	Exceeded Goal – Dumpster and dumpster areas were during routine food establishment’s inspection for those that were due in this reporting period. The city performed 1,694 inspections out of the 722 food establishments this reporting period.
	3. Waterway Cleanup Program and Adopt-A-Spot Volunteer Programs available all year.	Goal Met – Adopt-A-Spot and Waterway Clean-up programs were available during this reporting period. These opportunities were posted on JustServe (https://www.justserve.org/projects), and the city webpage (https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/volunteer-opportunities). The programs are also promoted at public events. Volunteers collected 538 bags of trash in this reporting period.
	4. Parks picks up trash at least 200 days per year.	Goal Met – Trash was picked up by Parks per their schedule in the reporting period.

	5. Inspect 3,154 storm inlets per year.	Exceeded Goal – In this reporting period 3,156 inlets were inspected in this reporting period. 186 inlets were cleaned.
	6. 9,000 pieces of trash collected from the roadways per year. Monthly trash removal from I-35.	Exceeded Goal – 11,863 pieces of trash were collected in this reporting period. Monthly trash removal from I-35 was not done this year due to construction.
	7. Determine the locations and device for 2 structural controls.	<p>Met Goal - One structural control is already in place at Josey Ranch Lake.</p> <p>The second structural control is located in the pond off Eisenhower and Parkwood at San Chester Park.</p> 
	8. Install 2 structural controls.	Met Goal – Both Structural controls have been installed.
	9. Maintain structural controls at least twice per year and determine amount removed.	The structural control at Josey Ranch Lake was cleaned 12 times and collected 120 lbs. of trash and debris before it reached waterways. The grate at San Chester was cleaned 8 times and collected about 125 lbs. of debris.
3.1	1. Continue to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide.	Met Goal – The city continued to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide.

<p>Ordinance for Construction Site Erosion and Sediment Controls and Enforcement</p>	<p>2. Review the Stormwater and Flood Protection Ordinance and the Stormwater Pollution Prevention Ordinance once during the permit term. Revise if necessary.</p>	<p>Met Goal - The Stormwater and Flood Protection Ordinance was reviewed but no changes are needed at this time.</p> <p>The Stormwater Pollution Prevention Ordinance was reviewed by Environmental Services and sent to the City Attorney's office for further review on September 11, 2020. Ordinance changes were adopted by Council on January 12, 2021.</p>
<p>3.2 Plan Review for Stormwater Pollution Prevention Plan (SWPPP) and Submission of NOI/CSN</p>	<p>1. Maintain SOP for construction plan review. Obtain and review CSN/NOI and SWP3 of all (100%) construction sites required to obtain a NPDES/TPDES stormwater permit for construction activities of one acre and greater, including the larger common plan of development.</p>	<p>Met Goal – An SOP was in place and both departments required a SWPPP and NOI/CSN to be submitted before a permit was issued. Both are reviewed for content.</p>
<p>3.3 Construction Site Inspection</p>	<p>1. Maintain SOP for site inspection and enforcement requirements.</p>	<p>Met Goal – SOP was maintained for site inspection and enforcement requirements.</p>
	<p>2. Conduct documented inspections of 100% of construction sites greater than 1 acre or part of the larger common plan of development at least once during the active phase of construction.</p>	<p>Met Goal - Inspections of active construction sites that were greater or equal to 1 acre or are part of the larger common plan of development were completed in this reporting period.</p> <p>Building Inspection performed at least 28 inspections. Engineering performed about 12 inspections and contractors also performed inspections at the sites.</p>
<p>3.4 Response to Citizen Complaints</p>	<p>1. Maintain “hotline” for construction site concerns.</p>	<p>Met Goal – The “hotline” has been maintained for receiving citizen complaints which is the city’s main line or the appropriate department’s line.</p>

3.5 Stormwater Information Package for Construction Site Operators	1. Distribute the educational material described in 1.6 to all construction sites regardless of size applying for a grading or building permit through Engineering and Building Inspection.	Met Goal – The information was distributed to all construction site operators at the preconstruction meetings during this reporting period – 17 packets distributed.
3.6 Preconstruction Meetings	1. Conduct preconstruction meetings with all (100%) applicants that apply for a grading or building permit.	Met Goal – 17 Preconstruction meetings were held with all grading or building permit applicants during this reporting period.
3.7 Employee Training	1. Train all employees responsible for the implementation of the construction stormwater program.	Met Goal - Building Inspection completed training for their inspectors on December 20, 2022, and January 2023.
3.8 Construction Site Inventory	1. Inventory of all permitted active public and private construction sites 1 acre or part of a larger common plan of development.	Met Goal – Development Services and Engineering maintained an inventory of their active construction sites.
4.1 Stormwater and Flood Protection Ordinance and General Design Standards	1. Continue to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects.	Met Goal – The city continued to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects.
	2. Yearly review of the General Design Standards.	Met Goal – The General design standards review began in August 2021 but is going through a more thorough review and is expected to take longer.
	3. Review the ERG once during the permit term. Update if needed.	Met Goal – The ERG was reviewed on October 6, 2022.
4.2 Long-Term Operation and Maintenance Plan for Structural BMPs	1. Maintain a list of all Structural BMP's to be inspected.	Met Goal – A list of structural BMP's to be inspected was maintained.
	2. Receipt of Maintenance Plan for structural controls installed on a site or filed as required in the deed for the property.	Met Goal - The city continued to implement procedures and methods to ensure the long-term maintenance of city structural BMPs.

	3. Documented inspections of 10 post-construction structural controls per year.	Met Goal – 10 post-construction structural controls were inspected in this reporting period.
	4. Document and maintain records of enforcement actions for post-construction structural controls.	Met Goal – No enforcement actions were required during this reporting period.
4.3 Construction Site Plan Review	1. Site plan review of 100% new development/ redevelopment projects.	Met Goal – Site plan review was performed on 100% of new and redeveloped projects. 28 commercial and 41 residential permits were reviewed.
	2. Maintain SOP for Construction Site Plan Review.	Met Goal – SOP for Construction Site Plan Review was maintained and followed.
4.4 Green Space Preservation	1. Implementation of green space preservation policies in 100% new projects.	Met Goal - The green space preservation policies applied to 100% of new projects in this reporting term.
4.5 Tree Preservation Ordinance	1. Implementation of Tree Preservation Ordinance in 100% new projects.	Met Goal - The Tree Preservation Ordinance continued to be implemented in this reporting period.
4.6 Inspection of Structural BMPs during Construction	See section 3.3, Construction Site Inspection.	Met Goal - See Section 3.3 Construction Site Inspection.
4.7 Limited Mowing Height	1. All park areas will be mowed at a frequency to ensure a minimum height of 2.5 inches of ground coverage.	Met Goal - Mowers were set for a minimum height of 2.5 inches.

5.1 Parks and Open Space Maintenance	1. Mowing crews pick up trash during maintenance of public green areas (approximately 200 days per year). Use mulching mowers. Leaf blowers used to blow clippings back onto grass.	Met Goal – Mowing crews picked up trash; used mulching mowers; leaf blowers were used to blow clippings back onto the grass at least 200 days in this reporting period according to their schedule. The structural control at Josey Ranch Lake was cleaned 12 times and collected 120 lbs. of trash and debris before it reached waterways. The grate at San Chester was cleaned 8 times and collected about 125 lbs. of debris.
	2. Buffer zones and no mow zones.	Met Goal – The city had 16 buffer and no mow zones to help with erosion and pollutant removal in this reporting period.
	3. Continue to implement native species landscaping in new and redeveloped public spaces. Mowing restrictions are implemented on all publicly maintained areas every time maintenance is performed.	Met Goal – Wildflower mix was not purchased this year, however, planting native species continued if needed. Mowing height restrictions continued at 2.5 inches.
	4. Maintain schedules for chemical application on all public spaces.	Met Goal – A schedule for chemical application on all public spaces was maintained and implemented.
	5. Maintain a list of pollutants of concern from mowing, chemical application and planting vegetation.	Met Goal – A list of pollutants of concern from mowing, chemical application, and planting vegetation was maintained.
	6. Continue to implement the Integrated Pest Management Plan.	Met Goal – The Integrated Pest Management Plans continued to be implemented for Animal Services and Parks and Recreation.
	7. Maintain SOP for proper disposal method of unused pesticides, herbicides and fertilizers.	Met Goal – The SOP was maintained and followed.
	8. Maintain Licensed Pesticide Applicators and Licensed Irrigators.	Met Goal – The city had 7 Licensed Pesticide Applicators (Parks 5, Animal Services 1, ICGC 1) and 1 Irrigation Technicians (Parks 1 Technicians).
5.2 Road and Bridge Maintenance	1. Major arterials swept once a month, including the selected municipal parking lots.	Met Goal – 2,899 curb miles were swept during this reporting period
	2. Maintain the SOP for street sweeping waste material disposal. Verify disposal method by contractor.	Met Goal–The SOP for street sweeping waste material disposal was maintained. Disposal locations were verified on November 9, 2021.
	3. Collect approximately 9,000 trash and debris items from roadways and ditches.	Exceeded Goal – 11,863 pieces of trash were collected in this reporting period.
	4. Maintain the erosion and pollution prevention guidelines from road and bridge repair operations as needed.	Met Goal – The erosion and pollution prevention guidelines from road and bridge repair operations were maintained.

	5. Maintain list of Pollutants of concern from road and bridge maintenance.	Met Goal - List of Pollutants of concern from road and bridge maintenance was maintained.
5.3 Fleet Maintenance	1. Weekly inspection/cleaning of maintenance and fueling facilities. Continue to implement spill response and pollution prevention plans (SPCC) at each fueling facility.	Met Goal – Inspections of maintenance and fueling facilities continued during this reporting period.
	2. Maintain the SOPs for each of the three maintenance facilities.	Met Goal – The SOPs for each of the three maintenance facilities were maintained.
	3. All vehicles and equipment washed in bays or commercial vehicle wash.	Met Goal – City vehicles and equipment were washed at the wash bays or a contracted commercial facility.
	4. Maintain the SOP for vehicle and equipment washing.	Met Goal - The SOP for vehicle and equipment washing was maintained.
	5. Sand traps are serviced as required by city ordinance. All wash bays are under a cover. Continue spill response and pollution prevention plans. Spill kits and signs are deployed at all fueling stations. Continue plan to address leaks from vehicles during normal use by a city employee.	Met Goal – Traps were serviced as required, wash bays are under cover, spill response and pollution prevention plans were continued, spill kits and signs were maintained, the plan to address leaks from vehicles during normal use by a city employee continued.
	6. Parts and materials stored under cover. Continue recycling program for materials.	Met Goal - Fleet stored all materials under cover or inside the building except repaired vehicles and vehicles to be repaired. Recycling continued for used oil, antifreeze, oil filters, used tires, batteries, cardboard, spent solvent, and scrap metal.
	7. Continue to have new employees sign form regarding leaking vehicles during daily use by an employee.	Met Goal – Forms continued to be signed by all employees during New Employee Orientation (NEO).
	8. Annual Inspection of the Central Service Center maintenance yard.	Met Goal – The annual inspections were completed on April 17 and 18, 2023.
	9. Quarterly inspections of the ICGC.	Met Goal – Inspections were performed quarterly.
5.4 Municipal Buildings and Parking Lots Maintenance	1. Continue to update (annually) and implement a spill response and pollution prevention plan for building and parking lot maintenance (SPCC). Continue waste reduction/ recycling.	Met Goal – SPCC and the pollution prevention plan continued to be implemented and was updated in October 2022. Waste reduction and recycling options continued for office materials at city facilities.
	2. Continue inspections of Municipal Buildings and parking lots, including the Public Works yard.	Met Goal – Municipal buildings, parking lots and the public works yard were inspected in this fiscal year.
	3. Evaluate spill response and pollution prevention plan, adjust plan as necessary.	Met Goal – Spill response manual was reviewed and updated in August, September, and October 2020.

	4. Maintain a list of pollutants of concern from municipal buildings and parking lot maintenance.	Met Goal – A List of pollutants of concern from municipal building and parking lots maintenance has been maintained.
5.5 Storm Sewer System Maintenance	1. Inspect 100% of the city-maintained channels yearly and 3,154 of inlets per year.	Exceeded Goal – During this reporting period 100% of the city-maintained channels were inspected. 3,156 inlets were inspected.
	2. Review the current schedule for maintenance operations. Revise as necessary.	Met Goal - Schedule for maintenance operations was updated during a previous reporting period.
	3. Respond to 100% of complaints and other problems.	Met Goal - Complaints were addressed as needed.
	4. Continue to inspect the 2 storm lift stations monthly.	Exceeded Goal – Storm lift stations were inspected weekly – 104 inspections were conducted between the 2 lift stations in this reporting period.
	5. Maintain a list of potential problem areas for increased inspections.	Met Goal – List of potential problem areas for increased inspections has been maintained.
5.6 Waste Reduction of Information Technology and Communications Operations	1. Continue recycling of all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations.	Met Goal – The city continued to recycle all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations. During this reporting period we recycled equipment 5 times.
	2. Continue feasible procedures to collect and recycle batteries from deployed equipment.	Met Goal - Procedures are in place and continue to be implemented to collect and recycle batteries from deployed equipment including cell phones, two-way radios, and uninterruptible power supply.
5.7 Grease, Sand and Grit Interceptor Maintenance	1. Grease, sand, and grit trap maintenance will be done yearly in accordance with the city ordinance or variance approval through Environmental Services.	Met Goal – All city traps/interceptors were pumped in accordance with the city ordinance or variance approval through Environmental Services.
5.8 Sand and Deicer Storage Locations	1. Limit sand, salt, and liquid deicer application to the minimum amount necessary to ensure safe driving and walking conditions.	Met Goal – Public Works used the following amounts in this reporting period: 635 gallons of liquid deicer and 549,025 lbs. of sand.
	2. Maintain SDS on site for salt and liquid deicer.	Met Goal – SDSs were maintained on site.
	3. Continue to implement appropriate controls for sand, salt, and liquid deicer storage.	Met Goal – Controls were in place for sand, salt, and liquid deicer.
	4. Maintain list of pollutants of concern from the three materials used.	Met Goal – List of pollutants of concern from the three materials used was maintained.

	5. Maintain written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP.	Met Goal – Written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP were included in the SOP for the Public Works yard.
	6. Inspect controls for sand, salt, and deicer storage.	Met Goal – Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.
5.9 City Owned Facilities	1. Maintain an inventory of city-owned facilities.	Met Goal – An inventory of city-owned facilities was maintained.
	2. Maintain a map of city-owned facilities & other stormwater controls.	Met Goal – A map of city-owned facilities & other stormwater controls was maintained.
	3. Perform a documented assessment of city owned facilities.	Met Goal - High Priority Facility inspections were completed on July 14, 2021.
	4. Identification of high priority facilities.	Met Goal – 2 new facilities were added to the high priority facilities list in July 2021.
	5. Review facility specific SOPs for all current high priority facilities.	Met Goal - The remaining SOPs were reviewed in November 2022.
	6. Develop facility specific SOPs for any newly identified high priority facility during the assessment.	Met Goal - The 2 new facility specific SOPs for the new high priority facilities were completed in July-August 2021.
	7. Inspection of all high priority facilities yearly.	Met Goal – All 10 high priority facilities were inspected during this reporting period in April 2023.
5.10 Structural Control Maintenance and Waste Disposal	1. Maintain an inventory of structural controls. Update as needed.	Met Goal – The inventory of structural controls was maintained.
	2. Inspections of city structural controls will be done once in the permit term.	Met Goal – All city-owned structural controls have been inspected this permit term. Animal Services: 11/23/2021 Parking lot downtown: 05/17/2022 Regional Detention Pond/ Vandergriff and Broadway Detention Pond: 05/17/2022 H & J Library Retention Pond: 05/17/2022

		Police Department Detention Pond: 05/17/2022 Woodlake Pond E Peters Colony & Josey Detention Pond: 05/17/2022
5.11 New Construction and Land Disturbance	1. 100% of projects where the city meets the definition of operator will comply with TPDES construction general permit requirements.	Met Goal – The city complied with TPDES construction permit requirements for those projects that were applicable.
	2. Require 100% contractors of municipally owned construction projects to comply with TPDES construction stormwater permit requirements.	Met Goal - Contractors were required to comply with the TPDES construction permit requirements.
5.12 Contractor Oversight Procedures	1. Maintain list of contractors	Met Goal – List of contractors was maintained.
	2. Continue to contractually require contractors to comply with stormwater control measures, good housekeeping practices and facility-specific SOPs.	Met Goal – Contractors were contractually required to comply with stormwater control measures, good housekeeping practices, and facility-specific SOPs.
	3. Continue to implement oversight procedures.	Met Goal – Oversight procedures continued during this reporting period.
5.13 Fire Fighting Training Activities	1. Continue implementing BMPs during training activities.	Met Goal – Fire Department continued to implement BMPs during training activities.
5.14 Employee Stormwater Pollution Prevention Training Program	1. Participate in the NCTCOG Pollution Prevention Task Force (regional program) to identify pollution prevention training materials and/or develop new materials as needed.	Met Goal – Staff attended the NCTCOG Pollution Prevention Task Force Meetings and participated in developing training materials.
	2. Continue training all employees in departments responsible for operations or maintenance functions. Document training.	Met Goal – training for applicable departments was completed in July-August 2023.
	1. Develop a list of all city-owned structural flood control devices.	Met Goal - A list was created and approved on November 25, 2020.

5.15 Flood Control Projects	2. Evaluate all of the structural control devices to determine if they can be retrofitted to provide additional pollutant removal to MEP.	Met Goal - The structural flood controls have been evaluated and one will be retrofitted in late 2023.
	3. Develop a plan for retrofitting (if applicable).	Met Goal - A plan has been developed for retrofitting one structural flood control in late 2023.
	4. Assess the impacts of receiving waters for all flood control projects.	Met Goal – Not applicable as there were no new flood control structures proposed during this reporting period.
	5. All of the new flood control structures will be designed, constructed, and maintained to provide erosion prevention and pollutant removal from stormwater.	Met Goal – No new flood control structures were proposed during this reporting period.
6.1 Inspection of Industrial Facilities	1. Annually inspect 100 industrial facilities.	Exceeded Goal – During this reporting period the city conducted 106 inspections at industries.
	2. Identify industries needing to apply for a TPDES/NPDES permit and require proof of permit coverage within 6 months of identification. Survey to be done every 3 years.	Met Goal – Industries have been identified and required to obtain coverage under the MSGP during inspections. The waste survey is done every 3 years.
6.2 Inventory/ Inspection of Commercial Facilities	1. Maintain an inventory of commercial facilities with grease/grit traps.	Met Goal – An inventory of grease/grit traps has been maintained.
	2. Conduct one inspection per year for all food establishments.	Exceeded Goal – The city performed 1,694 inspections at the 722 food establishments this reporting period.
	3. Conduct at least 25 commercial inspections per year.	Exceeded Goal – The city inspected 44 commercial facilities during this reporting period.
	4. Inspect all active grease/grit traps in database once per year.	Exceeded Goal – 622 Grease/grit traps were listed at the end of the reporting year with 785 inspections being completed.
	5. Implementation complete.	Met Goal.

B. Stormwater Data Summary

Provide a summary of all information used, including any lab results (if sampling was conducted) to assess the success of the SWMP at reducing the discharge of pollutants to the MEP. For example, did the MS4 conduct visual inspections, clean the inlets, look for illicit discharge, clean streets, look for flow during dry weather, etc.?

Surface Water Monitoring was conducted twice during this reporting period. The monitoring data results were utilized as one of the criteria in selecting the outfalls monitored during Dry Weather Screening. The Surface Water monitoring data was used to obtain a Water Quality Index (WQI) rating for each monitored segment. The WQI was based on five parameters: pH, DO, Turbidity, Total Phosphate, and Nitrate. Six creeks were monitored with 18 sampling locations, namely: Indian Creek, Dudley Branch, Furneaux Creek, Hutton Branch, Cooks Branch, and the Valwood Improvement Channel. The surface water monitoring data was reviewed in 2020 and 55 outfalls were selected to be monitored for Dry Weather Screening. Dry Weather Screening was conducted twice at the 55 outfalls once in February -March 2023 and once in June-August 2023. The data from the surface water monitoring and dry weather screening are included in this report and can be found in Appendix I and II. In this reporting period, the city responded to 112 spills and illicit discharges, 17 illegal dumping cases, and 35 complaints about pet waste. Parks continued to remove trash from greenbelts and waterways for at least 200 days each year and Public Works removed 11,863 pieces of trash from the roadways and ditches. Staff worked 1,279 cases regarding trash and debris, volunteers removed 538 bags of trash with the creek clean-up and adopt-a-spot programs, the net at Josey Ranch collected 120 pounds of paper and plastic items, and the grate at San Chester Tract collected 125 pounds of debris. The city swept 2,899 curb miles of major arterials and selected city parking lots and inspected 3,156 storm drain inlets in the city. Stormwater inspections were conducted at 722 food establishments (1,694 inspections), 44 commercial facilities, and 106 industries. 785 inspections were completed at the 622 active grease traps.

C. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly identified impaired waters below by including the name of the water body and the cause of impairment.

Yes – 0822 was not listed on the 2018 EPA-approved 303(d) list or on the Texas Integrated Report of Surface Water Quality.

2-7 is not applicable.

2. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern.

Not applicable.

3. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL.

Not applicable.

4. Report the benchmark identified by the MS4 and assessment activities:

Benchmark Parameter <i>(Ex: Total Suspended Solids)</i>	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
NA	NA	NA	NA

5. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark:

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
NA	NA	NA

6. If applicable, report on focused BMPs to address impairment for bacteria:

Description of bacteria-focused BMP	Comments/Discussion
NA	NA

7. Assess the progress to determine BMP's effectiveness in achieving the benchmark.

For example, the MS4 may use the following benchmark indicators:

- number of sources identified or eliminated;
- number of illegal dumpings;
- increase in illegal dumping reported;
- number of educational opportunities conducted;
- reductions in sanitary sewer flows (SSOs); /or
- increase in illegal discharge detection through dry screening.

Benchmark Indicator	Description/Comments
NA	NA

D. Stormwater Activities

Describe activities planned for the next reporting year:

All recurring activities will continue to be implemented and the following new activities will be implemented by the due date (we have not included the ones that have already been met with a due date of January 24, 2023):

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	Environmental Services Web Page	Post annual report on the web page	30 days after the due date for each of the 5 annual reports
1	Presentation of SWMP for Public Comment	One public presentation to introduce approved SWMP within 90 days from written receipt of TCEQ's approval of the SWMP	Due 90 days after TCEQ's approval of SWMP. The SWMP was approved on September 28, 2023. The presentation was posted to the City website on December 18, 2023.

	Presentation of SWMP for Public Comment	One public presentation in the 5 th year of the permit term to update/evaluate SWMP for the next permit term.	Due January 24, 2024. The presentation was posted to the City website on December 18, 2023.
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E. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year.

Yes No

2. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ’s review.

Yes No

Additions and changes were submitted during TCEQs review of the SWMP.

If “Yes,” report on changes made to measurable goals and BMPs:

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)
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NA	NA	NA
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Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible, and why the replacement BMP is expected to achieve the goals of the original BMP.

3. Explain additional changes or proposed changes not previously mentioned (i.e., dates, contacts, procedures, annexation of land, etc.).
NA

F. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans.

Additional BMPs are not necessary at this time since the city does not have a TMDL or implementation plan.

BMP	Description	Implementation Schedule (start date, etc.)	Status/Completion Date (completed, in progress, not started)
NA	NA	NA	NA

G. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?

Yes No

If “Yes,” provide the name(s) of other entities and an explanation of their responsibilities (add more spaces or pages if needed).

Name and Explanation: NA

2.a. Is the permittee part of a group sharing a SWMP with other entities?

Yes No

2.b. If "yes," is this a system-wide annual report including information for all permittees?

Yes No

If "Yes," list all associated authorization numbers, permittee names, and SWMP responsibilities of each member (add additional spaces or pages if needed):

Authorization Number: NA

Permittee: NA

H. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Large and Small Site Notices submitted by construction site operators):

No. of non-municipal construction activities: 17

No. of municipal construction activities greater than or equal to 1 acre: 18

2a. Does the permittee utilize the optional seventh MCM related to construction?

Yes No

2b. If "yes," then provide the following information for this permit year:

The number of municipal construction activities authorized under this general permit.	
The total number of acres disturbed for municipal construction projects.	NA

Note: Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.

Appendix I – Surface Water Monitoring Data

February 2023:

Date:	Sampling Location:	Water Temp (°C)	pH	DO (mg/L)	Conductivity (µS)	Turbidity (NTU)	Total Phosphate (mg/L)	Nitrate (mg/L)	WQI (Based on 5 factors)
2/6/23	IC1	11.1	8.37	11.2	940	32.1	0.16	4.4	80 - Good
2/6/23	IC2	11.1	8.23	14.2	959	41.5	0.04	4.4	76 - Good
2/20/23	FC1A	12.4	7.87	12.9	745	19.6	0.14	3.96	82 - Good
2/15/23	FC2	16	8.72	15.2	451	61	0.3	2.64	62 – Medium
2/15/23	FC3	16.2	8.39	11.6	643	11.6	0.2	4.4	80 - Good
2/20/23	FC4	15.4	8.55	14.4	916	11.5	0.3	4.4	65 – Medium
2/20/23	FC5	14	8.46	10.6	804	2.55	0.1	4.4	85 - Good
2/6/23	HB1	11.8	7.05	12.7	605	15.5	0	3.52	87 - Good
1/23/23	HB2	12	7.2	13.9	753	3.38	0.92	0.264	81 - Good
2/6/23	HB3	12.8	7.53	12	852	18.6	0.02	4.4	85 – Good
2/6/23	HB4A	15.9	7.71	8.9	853	10.2	0	4.4	88 – Good
2/6/23	HB5	15.1	8.19	11.2	773	1.22	0	4.4	87 – Good
2/6/23	DB1	10.6	8.26	12	543	17.4	0.14	0.88	87 – Good
2/6/23	DB2	18.3	8.61	14.6	1132	16.2	0.12	4.4	68 – Medium
2/6/23	DB3	17.2	8.87	15.4	916	22.8	0.26	4.4	62 – Medium
2/15/23	CB1A	18.1	8.35	13.7	700	3.43	0.16	4.4	71 – Good
2/15/23	CB2	21.6	9.66	12.1	472	4.89	0	2.2	67 – Medium
2/6/23	VI1	12	8.91	25	1199	3.56	0.1	0.88	72 – Good

June/July 2023: Due to a change on the WQI website, we decided to no longer use it in the second monitoring period of 2023.

Date:	Sampling Location:	Water Temp (°C)	pH	DO (mg/L)	Conductivity (µS)	Turbidity (NTU)	Total Phosphate (mg/L)	Nitrate (mg/L)
6/23/23	IC1	27.5	7.66	5.7	664	9.99	0.83	1.76
6/23/23	IC2	27.3	7.76	5.5	701	9.99	0.83	0.53
6/21/23	FC1A	30.5	6.1	6.3	657	9.82	4.0	0
6/21/23	FC2	29.0	7.12	2.0	736	7.96	1.66	0
6/21/23	FC3	29.5	7.29	4.7	637	5.05	2.0	0.44
6/21/23	FC4	28.5	7.4	2.7	1039	9.99	0	0
7/11/23	FC5	26.5	7.61	0.3	531	5.68	0	1.32
7/11/23	HB1	28.2	6.34	0.6	432	11.7	0	0.39
7/10/23	HB2	28.9	7.67	1.2	371	13.6	0	0.44
7/11/23	HB3	26.4	6.93	0.3	416	17.1	.08	0
7/11/23	HB4A	27.2	3.28	0.8	738	2.3	0.1	4.4
7/11/23	HB5	25.5	7.7	0.5	535	2.96	0.2	4.4
7/11/23	DB1	28.3	7.17	0.3	590	49.4	0.16	0
6/21/23	DB2	27.8	7.86	3.4	1209	9.99	1.66	1.32
6/21/23	DB3	30.3	8.02	10.3	1165	8.44	0	0.53
7/10/23	CB1A	26.5	7.31	2.9	668	2.62	0.14	1.32
7/10/23	CB2	28.2	8.41	3.0	1196	5.27	0	0.44
7/11/23	VI1	26.7	7.72	0.5	409	15.1	0.2	0.53

Appendix II – Outfalls to be Monitored, Surface Water Monitoring Data and Dry Weather Screening Data

Outfalls to be Monitored for Dry Weather Screening 2020:

Indian Creek:	Reason for Selection:	Site Description:
OF 0435	Large outfall from Commercial area	Off Hebron and Jahvani Ct
OF 4040	Large outfall from Commercial & residential area	Outfall behind Kohls off Old Denton and Hebron
OF 4041	Large outfall from Commercial & residential area	Outfall behind Kohls off Old Denton and Hebron
Furneaux Creek:	Reason for Selection:	Site Description:
OF 1062	Commercial Area - Multiple inlets	Off MacArthur
OF 2257	Industrial area - Many inlets	Off Nimitz Ln and Railroad
OF 2258	Industrial area - Many inlets	Off Nimitz Ln and Railroad
OF 2259	Industrial area - Many inlets	Off Nimitz Ln and Railroad
Dudley Branch:	Reason for Selection:	Site Description:
OF 0215	Residential area – Lower WQI numbers for Surface Water Monitoring	OF off Virginia Pine
OF 0216	Residential area – Lower WQI numbers for Surface Water Monitoring	OF off Virginia Pine
Cooks Branch:	Reason for Selection:	Site Description:
OF 1117	Residential area, Many Connecting inlets	Under overpass by Fyke Rd
OF 1113	Residential area, Many Connecting inlets	By underpass by Fyke Rd
VI Channel:	Reason for Selection:	Site Description: 60 outfalls
Hutton - Multiple OF	Outfalls by Industrial Area	Off Hutton Between Valwood and Champion RR
McKenzie - Multiple OF	Outfalls by Industrial Area	Off Mackenzie Dr Between Valwood and Champion RR
McDaniel - Multiple OF	Outfalls by Industrial Area	Off McDaniel Dr Between Valwood and Champion RR

Indian Creek – Dry Weather Screening:

Outfalls:	OF0435		OF4040		OF4041	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	3/7/23 9:33	3/7/23 2:31	2/21/23 11:10	2/21/23 3:49	2/21/23 11:12	2/21/23 3:52
Flow	Med	Med	None	None	Low	Low
pH	7.29	7.91			8.09	8.23
Conductivity (µS)	735	743			2000	2000
Detergent (ppm)	0.1	0.1			0.1	0.1
Ammonia Nitrogen (ppm)	0	0			0	0
Water Temp (°F)	20.3	20			17.3	17.7
Turbidity (NTU)	2.03	2.94			52.7	2.01
Chlorine (ppm)	0	0			0	0
Color	clear	clear			clear	clear
Odor	no	no			no	no
Sewage	no	no			no	no
Surface Scum	no	no			yes	no
Trash	yes	yes			yes	yes
Oil Sheen	no	no			no	no

Outfalls:	OF0435		OF4040		OF4041	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	8/15/23 9:18	8/15/23 2:16	8/15/23 8:49	8/15/23 1:53	8/15/23 8:50	8/15/23 1:52
Flow	Med	Med	None	Low	Low	None
pH	7.73	7.77		8.18	8.06	
Conductivity (µS)	757	750		2000	2000	
Detergent (ppm)	0	0		0	0	
Ammonia Nitrogen (ppm)	0	0		0	0	
Water Temp (°F)	26.7	28.4		26.3	25.1	
Turbidity (NTU)	2.96	0.45		2.21	5.05	
Chlorine (ppm)	0	0		0	0	
Color	Clear	Clear		Clear	Clear	
Odor	None	None		None	None	
Sewage	No	No		No	No	
Surface Scum	No	No		No	No	
Trash	Yes	Yes		Yes	Yes	
Oil Sheen	No	No		no	No	

Furneaux Creek – Dry Weather Screening:

Outfalls:	OF1062		OF2257		OF2258		OF2259	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	3/7/2023 9:00	3/7/2023 2:01	3/7/2023 9:19	3/7/2023 2:17	3/7/2023 9:19	3/7/2023 2:17	3/7/2023 9:19	3/7/2023 2:17
Flow	Low	Low	None	None	None	None	None	None
pH	6.08	7.55						
Conductivity (µS)	1800	1891						
Detergent (ppm)	0.1	0.1						
Ammonia Nitrogen (ppm)	0	0						
Water Temp (°F)	16.8	18.5						
Turbidity (NTU)	4.81	4.81						
Chlorine (ppm)	0	0						
Color	clear	clear						
Odor	no	no						
Sewage	no	no						
Surface Scum	no	no						
Trash	yes	yes						
Oil Sheen	no	no						

Outfalls:	OF1062		OF2257		OF2258		OF2259	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	6/29/23 8:40	Issue found, followed up on IDDE with HMart to stop SSO. Outfalls 2257, 2258, 2259 all downstream of 1062.	6/29/23 8:55	6/29/23 12:35	6/29/23 8:55	6/29/23 12:44	6/29/23 8:43	6/29/23 12:44
Flow	Low		None	None	Low	Low	None	None
pH	7.86				7.68	7.87		
Conductivity (µS)	1825				7.29	743		
Detergent (ppm)	0.1				0	0		
Ammonia Nitrogen (ppm)	4				1	1		
Water Temp (°F)	26.5				27.3	30.7		
Turbidity (NTU)	832				31.8	29.3		
Chlorine (ppm)	0				0	0		
Color	Clear				Clear	Clear		
Odor	Sewage				No	No		
Sewage	Yes				No	No		
Surface Scum	Yes				No	No		
Trash	Yes				No	No		
Oil Sheen	No			No	No			

Cooks Branch – Dry Weather Screening:

Outfalls:	OF1117		OF1113	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit
	2/21/2023 9:02	2/21/2023 1:46	2/21/2023 9:11	2/21/2023 1:50
Flow	None	None	None	None
pH				
Conductivity (µS)				
Detergent (ppm)				
Ammonia Nitrogen (ppm)				
Water Temp (°F)				
Turbidity (NTU)				
Chlorine (ppm)				
Color				
Odor				
Sewage				
Surface Scum				
Trash				
Oil Sheen				

Outfalls:	OF1117		OF1113	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit
	8/16/23 9:02	8/16/23 3:05	8/16/23 9:04	8/16/23 3:07
Flow	None	None	None	None
pH				
Conductivity (µS)				
Detergent (ppm)				
Ammonia Nitrogen (ppm)				
Water Temp (°F)				
Turbidity (NTU)				
Chlorine (ppm)				
Color				
Odor				
Sewage				
Surface Scum				
Trash				
Oil Sheen				

Dudley Branch – Dry Weather Screening:

Outfalls:	OF0215		OF0216	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit
	2/21/2023 11:29	2/21/2029 4:15	2/21/2023 11:40	2/21/2023 4:27
Flow	Low	Low	Low	Low
pH	8.38	8.11	7.52	7.75
Conductivity (µS)	1028	1006	2000	2000
Detergent (ppm)	0.1	0.1	0.1	0.1
Ammonia Nitrogen (ppm)	0	0	0	0
Water Temp (°F)	17.9	18.4	16.2	18.6
Turbidity (NTU)	4.6	2.09	3.97	2.11
Chlorine (ppm)	0	0	0	0
Color	clear	clear	clear	clear
Odor	no	no	no	no
Sewage	no	no	no	no
Surface Scum	no	no	no	no
Trash	no	no	no	no
Oil Sheen	no	no	no	no

Outfalls:	OF0215		OF0216	
	Date/Time:	1st Visit	2nd Visit	1st Visit
	8/16/23 8:15	8/16/23 2:04	8/16/23 8:27	8/16/23 2:00
Flow	Low	Low	Low	Low
pH	8.08	8.03	7.91	8.53
Conductivity (µS)	1969	832	1167	2000
Detergent (ppm)	0	0	0	0
Ammonia Nitrogen (ppm)	0	0	0	0
Water Temp (°F)	23.6	29.6	25.3	34.4
Turbidity (NTU)	7.91	0.94	1.42	6.59
Chlorine (ppm)	0	0	0	0
Color	Clear	Clear	Clear	Clear
Odor	None	None	None	No
Sewage	No	No	No	No
Surface Scum	No	No	No	No
Trash	No	No	Yes	Yes
Oil Sheen	No	No	No	No

Valwood Channel (Hutton) – Dry Weather Screening:

Outfalls:	OF4281		OF4282		OF4279		OF4280	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	2/21/2023 9:15	2/21/2023 2:08	2/21/2023 9:16	2/21/2023 2:09	2/21/2023 9:17	2/21/2023 2:10	2/21/2023 9:19	2/21/2023 2:11
Flow	None	None	None	None	None	None	None	None
pH								
Conductivity (µS)								
Detergent (ppm)								
Ammonia Nitrogen (ppm)								
Water Temp (°F)								
Turbidity (NTU)								
Chlorine (ppm)								
Color								
Odor								
Sewage								
Surface Scum								
Trash								
Oil Sheen								

OF4278		OF4276		OF4277		OF4275		OF4274	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
2/21/2023 9:20	2/21/2023 2:12	2/21/2023 9:21	2/21/2023 2:13	2/21/2023 9:22	2/21/2023 2:14	2/21/2023 9:23	2/21/2023 2:15	2/21/2023 9:25	2/21/2023 2:16
None	None	None	None	None	None	None	None	None	None

OF4273		OF4271		OF4272		OF4269		OF4270	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
2/21/2023 9:26	2/21/2023 2:17	2/21/2023 9:28	2/21/2023 2:18	2/21/2023 9:29	2/21/2023 2:19	2/21/2023 9:30	2/21/2023 2:20	2/21/2023 9:31	2/21/2023 2:21
None	None	None	None	None	None	None	None	None	None

OF4264		OF4263		OF4265		OF4266	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
2/21/2023 9:32	2/21/2023 2:22	2/21/2023 9:33	2/21/2023 2:23	2/21/2023 9:34	2/21/2023 2:24	2/21/2023 9:36	2/21/2023 2:25
None	None	None	None	None	None	None	None

Outfalls:	OF4281		OF4282		OF4279		OF4280	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	7/6/23 11:20	7/6/23 4:43	7/6/23 9:55	7/6/23 2:27	7/6/23 11:19	7/6/23 4:42	7/6/23 9:57	7/6/23 2:26
Flow	None	None	None	None	None	None	None	None
pH								
Conductivity (µS)								
Detergent (ppm)								
Ammonia Nitrogen (ppm)								
Water Temp (°F)								
Turbidity (NTU)								
Chlorine (ppm)								
Color								
Odor								
Sewage								
Surface Scum								
Trash								
Oil Sheen								

OF4278		OF4276		OF4277		OF4275		OF4274	
1 st Visit	2 nd Visit	1 st Visit	2 nd Visit	1 st Visit	2 nd Visit	1 st Visit	2 nd Visit	1 st Visit	2 nd Visit
7/6/23 10:13	Issue found, followed up IDDE with Car Shop that had irrigation leak.	7/6/23 11:18	7/6/23 4:41	7/6/23 10:45	7/6/23 3:14	7/6/23 11:17	7/6/23 4:39	7/6/23 10:47	7/6/23 3:16
Low		None	None	None	None	None	None	None	None
7.08									
584									
0									
1									
28.5									
405									
0.4									
Cloudy									
None									
No									
No									
Yes									
No									

OF4264		OF4263		OF4265		OF4266	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
7/6/23 11:11	7/6/23 4:35	7/6/23 10:53	7/6/23 4:29	7/6/23 11:10	7/6/23 4:33	7/6/23 11:07	7/6/23 4:31
None	None	None	None	None	None	Low	None
						7.8	
						22	
						0	
						0	
						32.8	
						4.94	
						0	
						Clear	
						None	
						No	
						No	
						Yes	
						No	

Valwood Channel – McKenzie - Dry Weather Screening:

Outfalls:	OF4260		OF4261		OF4258		OF4259	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	2/21/2023 9:40	2/21/2023 2:30	2/21/2023 9:41	2/21/2023 2:33	2/21/2023 9:42	2/21/2023 2:34	2/21/2023 9:44	2/21/2023 2:35
Flow	None	None	None	None	None	None	None	None
pH								
Conductivity (µS)								
Detergent (ppm)								
Ammonia Nitrogen (ppm)								
Water Temp (°F)								
Turbidity (NTU)								
Chlorine (ppm)								
Color								
Odor								
Sewage								
Surface Scum								
Trash								
Oil Sheen								

OF4254		OF4255		OF4253		OF4252		OF4250	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
2/21/2023 9:46	2/21/2023 2:37	2/21/2023 9:48	2/21/2023 2:38	2/21/2023 9:49	2/21/2023 2:40	2/21/2023 9:50	2/21/2023 2:41	2/21/2023 9:51	2/21/2023 2:42
None	None	Low	Low	None	None	None	None	None	None
		8.28	8.78						
		736	734						
		0.1	0.1						
		0	0						
		16.7	21.3						
		0.86	2.83						
		0	0						
		clear	clear						
		no	no						
		no	no						
		no	no						
		no	no						
		no	no						

OF4251		OF4249		OF4248	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
2/21/2023 9:52	2/21/2023 2:43	2/21/2023 9:53	2/21/2023 2:45	2/21/2023 9:54	2/21/2023 2:46
None	None	None	None	None	None

Outfalls:	OF4260		OF4261		OF4258		OF4259	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	7/6/23 8:35	7/6/23 1:38	7/6/23 8:29	7/6/23 1:19	7/6/23 8:33	7/6/23 1:37	7/6/23 8:21	7/6/23 1:38
Flow	None	None	None	None	None	None	None	None
pH								
Conductivity (µS)								
Detergent (ppm)								
Ammonia Nitrogen (ppm)								
Water Temp (°F)								
Turbidity (NTU)								
Chlorine (ppm)								
Color								
Odor								
Sewage								
Surface Scum								
Trash								
Oil Sheen								

OF4254		OF4255		OF4253		OF4252		OF4250	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
7/6/23 8:32	7/6/23 1:35	7/6/23 8:23	7/6/23 1:23	7/6/23 8:30	7/6/23 1:33	7/6/23 8:25	7/6/23 1:24	7/6/23 8:28	7/6/23 1:31
None	None	None	None	None	None	None	None	None	None

OF4251		OF4249		OF4248	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
7/6/23 8:27	7/6/23 1:25	7/6/23 8:43	7/6/23 1:28	7/6/23 8:42	7/6/23 1:27
None	None	None	None	None	None

Valwood Channel – McDaniel - Dry Weather Screening:

Outfalls:	OF4225		OF4224		OF4227		OF4226	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	2/21/2023 10:11	2/21/2023 3:04	2/21/2023 10:12	2/21/2023 3:05	2/21/2023 10:14	2/21/2023 3:06	2/21/2023 10:15	2/21/2023 3:08
Flow	Low	Low	None	None	None	None	None	None
pH	7.86	8.32						
Conductivity (µS)	711	737						
Detergent (ppm)	0.2	0.2						
Ammonia Nitrogen (ppm)	0	0						
Water Temp (°F)	17.2	21.4						
Turbidity (NTU)	84.4	84.2						
Chlorine (ppm)	0.2	0.1						
Color	clear	clear						
Odor	no	no						
Sewage	no	no						
Surface Scum	yes	yes						
Trash	no	no						
Oil Sheen	no	no						

OF4229		OF4228		OF4231		OF4230		OF4232	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
2/21/2023 10:16	2/21/2023 3:09	2/21/2023 10:17	2/21/2023 3:10	2/21/2023 10:18	2/21/2023 3:11	2/21/2023 10:20	2/21/2023 3:12	2/21/2023 10:21	2/21/2023 3:14
None	None	None	None	None	None	None	None	None	None

Outfalls:	OF4225		OF4224		OF4227		OF4226	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	7/6/23 9:52	7/6/23 2:22	7/6/23 9:47	7/6/23 1:49	7/6/23 9:12	7/6/23 1:51	7/6/23 9:48	7/6/23 2:20
Flow	None	None	Low	None	None	None	None	None
pH			6.31					
Conductivity (µS)			689					
Detergent (ppm)			0					
Ammonia Nitrogen (ppm)			0					
Water Temp (°F)			28.6					
Turbidity (NTU)			15.1					
Chlorine (ppm)			0					
Color			Clear					
Odor			None					
Sewage			No					
Surface Scum			Yes					
Trash			Yes					
Oil Sheen			No					

OF4229		OF4228		OF4231		OF4230		OF4232	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
7/6/23 9:15	7/6/23 2:17	7/6/23 9:12	7/6/23 1:53	7/6/23 9:16	7/6/23 1:54	7/6/23 9:30	7/6/23 2:06	7/6/23 9:18	7/6/23 1:55
None	Low	None	None	None	None	None	None	None	None
	7.43								
	696								
	0								
	0								
	32.2								
	11.6								
	0								
	Clear								
	None								
	No								
	Yes								
	Yes								
	No								

I. Certification

If this is this a system-wide annual report including information for all permittees, each permittee shall sign and certify the annual report in accordance with 30 TAC §305.128 (relating to Signatories to Reports).

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 gathered and evaluated 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.

Name (printed): Erin Rinehart Title: City Manager

Signature: _____ Date: _____

Name of MS4: City of Carrollton