

December 14, 2022

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: TXRo40326

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 TXRo40326 for the City of Carrollton.

The annual report is for Year 4 or the 4th annual report. The reporting period's beginning October 1, 2021 and ending September 30, 2022.

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 TXRo40000

A. General Information

Authorization Number: TXRo40326

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

Annual Reporting Year Option Selected by MS4:

Fiscal Year: X Last day of fiscal year: (September 30, 2022)

Reporting period beginning date (month/date/year): October 1, 2021

Reporting period end date (month/date/year): September 30, 2022

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. 7020 2450 0001 6674 6406

Region the annual report was submitted to: TCEQ Region 4 - USPS Certified Mail No. 7020 2450 0001 6674 6413

Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions: (TXRo40000 Part IV.B.2)

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	x		
Permittee is currently in compliance with recordkeeping and reporting requirements.	x		
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	x		
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		

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)
1.1 Stormwater Reading Materials	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>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 765 brochures and educational materials from display racks and educational events.</p> <p>2,173 cases were worked for high weeds and grass. The valid cases were mailed NOV's which included educational information on the proper disposal of grass clippings.</p> <p>1,675 cases were worked regarding trash and debris, valid cases were issued NOV's.</p> <p>82 articles appeared in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill 230 times throughout the reporting period.</p> <p>94 complexes within Carrollton received a letter containing stormwater information along with their annual inspection notice.</p>
1.2 Public Presentations and Educational Events	To educate residents, businesses, visitors, and commercial and industrial facilities about impacts of storm =water on water quality, hazards associated with illegal discharges and improper disposal	<p>Yes – Each of the 41 presentations or educational events were tailored to cater to the target audience thus delivering the topic in a relevant and understandable form.</p> <p>58 employees watched a General Stormwater Overview during New Employee Orientation.</p>

	of waste, and steps they can take to reduce pollutants in stormwater.	
1-3 Promotional Items	To educate all groups by sending stormwater messages and promoting the hotline number by providing useful items free of charge.	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. 866 promotional items were distributed.
1-4 Annual “March is Texas SmartScape™ Month	To educate residents, businesses, visitors, and commercial and industrial facilities about using native and adapted plants to improve water quality.	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. 1 article, 2 educational displays, 99 SmartScape bookmarks and 42 pamphlets were distributed, and 1,380 Sessions with 69% new sessions on the Texas SmartScape website.
1-5 Environmental Education for Commercial and Industrial Facilities	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.	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. Two newsletters for industrial and commercial facilities were distributed in June 2022 and Sept 2022. Pollution prevention posters were distributed to food establishments during routine and permitting inspections in this fiscal year. The annual industry meeting was held on August 24, 2022.
1-6 Environmental Education for Construction Site Personnel	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.	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. 21 Construction packets were distributed and included an overview of the requirements at the pre-construction meetings.

<p>1.7 Storm Drain Marking</p>	<p>To educate all groups through placards placed on the storm drain to not dump or discharge any pollutants into the storm drain and where the storm drain goes.</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 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. 102 markers were placed.</p>
<p>1.8 Stormwater and Pollution Prevention Videos & Public Service Announcements</p>	<p>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>	<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>
<p>1.9 TCEQ FOG Initiative</p>	<p>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>	<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 1,811 routine inspections as needed.</p> <p>96 letters to apartment managers were mailed.</p>

		<p>2,000 grease control flyers were distributed in August 2022 to all multi-family complexes.</p> <p>7 articles on grease control appeared 21 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>
<p>1.10 Household Hazardous Waste Disposal</p>	<p>To educate residents about proper disposal of household hazardous waste and where they can dispose of their wastes.</p>	<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 2021 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>
<p>1.11 Pet Waste Education</p>	<p>To educate pet owners about the importance of cleaning up after their pets.</p>	<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>371 Animal Ownership brochures, 180 bookmarks, and 120 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>

<p>1.12 Environmental Services website</p>	<p>To educate all groups on stormwater issues through a web site that is available every day of the year.</p>	<p>Heads Carter (2), Clifford Hall (1), Harvest Run (2), Oak Creek (1), Harold Bessie (1), Josey Ranch Library (1), Rosemeade Dog Park (5), McInnish Dog Park (9), and Downtown Detention Pond (3).</p> <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 draft is currently posted on the City of Carrollton web page. The approved SWMP will be posted on the webpage within 30 days of SWMP approval date.</p> <p>Annual report for year 3, October 2020 – September 2021 was posted on the City of Carrollton webpage on December 17, 2021. Annual reports will be posted on webpage within 30 days after the due date of each of the 5 annual reports.</p>
<p>1.13 Electronic Newsletter for City Employees</p>	<p>To educate public service employees on stormwater issues and/or pollution prevention topics.</p>	<p>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.</p>
<p>1.14 Environmental Education for Schools</p>	<p>To provide information about the stormwater educational programs that the city offers to teachers/schools.</p>	<p>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.</p>
<p>1.15 Comply with State and Local Public Notice Requirements</p>	<p>To involve the public by soliciting comments on the Stormwater Pollution Prevention Ordinance and the NOI and SWMP as required.</p>	<p>Yes – Gives the public a chance to comment on ordinances and SWMP prior to approval by City Council or the TCEQ.</p>

<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 allows 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. 34 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot on 205 different days and collected 780 bags of trash. 3 new Adopt-A-Spot groups joined the program for a total of 23 adopted locations.</p> <p>The cooking oil disposal event held on November 29-30, 2021 collected 483 gallons</p> <p>2 Drug Take Back events October 2021 collected 855 lbs. of materials, April 2022 collected 796 lbs. of materials.</p> <p>1 Community Cleanup Event collected 78 bags of trash and debris.</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 September 7, 2022.</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. There is a total of 1,240 outfalls.</p>
<p>2.2 Stormwater Pollution Prevention Ordinance and Enforcement Response Guide</p>	<p>To develop and implement an ordinance to prohibit non-stormwater discharges.</p>	<p>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.</p>
<p>2.3 Spill/Emergency Response</p>	<p>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.</p>	<p>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. 114 spills or discharges were investigated and remediated if found valid.</p>
<p>2.4 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 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.</p>
<p>2.5 Construction Plans Review and Site Inspection for Illicit Connections</p>	<p>To review construction plans and perform site inspections for detection and elimination of illicit connections.</p>	<p>Yes – This ensures that there are no illicit connections during the building process. 100% new construction projects underwent site plan review and were inspected to ensure no illicit connections. Reviewed 45 new commercial permits and 174 new residential permits.</p>

<p>2.6 Illegal Dumping</p>	<p>To eliminate illegal dumping and littering through abatement and enforcement activities.</p>	<p>Yes – This not only establishes the quick removal of illegal dumping and litter, but also deters repeat violators.</p> <p>30 cases were investigated during this reporting period and the 25 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.</p>
<p>2.7 Liquid Waste Program</p>	<p>To reduce the impact that liquid waste haulers, liquid waste generators, and septic systems have on water quality through inspections, permits, inventory, and monitoring.</p>	<p>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.</p> <p>94 trucks permitted from 33 companies, and trip tickets were tracked and verified. 1 NOV and 5 citations. An inventory of 9 septic systems remained.</p>
<p>2.8 Maintenance Program for Sanitary Sewers</p>	<p>To prevent and reduce sanitary sewer overflows through proactive maintenance of the sanitary sewer system.</p>	<p>Yes – This maintenance program reduces and prevents sanitary sewer overflows, thus reducing and preventing stormwater pollution.</p> <p>Maintenance and inspections continued during this reporting period.</p> <p>170 miles of the required 167.46 miles were cleaned during this reporting period.</p> <p>116,006 feet were smoke tested during this reporting period.</p> <p>104,097 feet were TV'd during this reporting period.</p> <p>2,197 manholes were inspected during this reporting period.</p> <p>319 have been repaired in this reporting period.</p> <p>1,092 inspections have been completed at the 19 sewer lift stations during this reporting period. Started in August 2021 a 20th lift station was added and inspected.</p>

		9 sites listed on the 30-day list were maintained every month. 5 city SSOs occurred and were remediated in this reporting period.
2.9 Pet Waste Management	To require pet owners to remove pet wastes from both public and private areas.	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. Received 17 complaints and all were investigated.
2.10 Dry Weather Discharge Screening	To participate in the regional protocol for dry weather screening and continue to implement the program at the selected outfalls.	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. 66 outfalls were monitored two times during the year for a total of 264 screenings.
2.11 Household Hazardous Waste Program	To provide residents with a means of disposing of their household hazardous waste.	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. 141,311 pounds of material was disposed of through this program.
2.12 Water Main Breaks Response	To implement a response plan to reduce the amount of chlorine and sediment that gets discharged into creeks from water main breaks.	Yes – This response plan can help minimize the impact that chlorine and sediment have on creeks and wildlife.
2.13 Employee Training Detecting for Illicit Discharges	To train all field employees on spotting illicit discharges and who to contact when they see one.	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>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>1,675 trash and debris cases were investigated, the letters were sent to the valid cases to remediate the violation.</p> <p>1,811 inspections at 710 food establishments were performed in this reporting period.</p> <p>780 bags of trash were removed from waterways by volunteers, 12,585 pieces of trash were collected by Public Works, and trash was picked up by Parks per their schedule in this reporting period.</p> <p>3,240 inlets were inspected in this reporting period.</p> <p>The structural control at Josey Ranch Lake collected 118 lbs. of trash and debris before it reached waterways. The grate at San Chester was cleaned 4 times and collected about 100-600 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. 100% of construction sites were inspected. 53 SWPPP inspections were conducted during this reporting period from Building Inspection and 20 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. 21 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. 21 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 October 28, 2020.	
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. 16 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 one acre or greater to dedicate a	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.	

	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 pollution prevention practices during street repair activities.	Yes - This directly removes various pollutants from roadways and ditches on a regular basis. 3,135 curb miles were swept, and 12,585 pieces of trash were collected in this reporting period.

<p>5-3 Fleet Maintenance</p>	<p>To implement pollution prevention measures through inspections, good housekeeping practices, and spill response.</p>	<p>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.</p>
<p>5-4 Municipal Buildings and Parking Lots Maintenance</p>	<p>To develop and implement a pollution prevention plan for the maintenance of city facilities.</p>	<p>Yes – This reduces the impact the city may have on the stormwater system during building and parking lot maintenance.</p>
<p>5-5 Storm Sewer System Maintenance</p>	<p>To ensure the stormwater system is functioning properly by inspecting and maintaining the stormwater system.</p>	<p>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.</p> <p>During this reporting period 100% of the city-maintained channels were inspected.</p> <p>3,240 inlets were inspected.</p> <p>104 inspections were conducted between the 2 lift stations in this reporting period.</p>
<p>5.6 Waste Reduction of Information Technology and Communications Operations</p>	<p>To further reduce pollution from hazardous materials in batteries and computer equipment by recycling or properly disposing these.</p>	<p>Yes - Proper disposal of batteries and computer equipment reduces the impact that these items have on the environment.</p>

<p>5-7 Grease, Sand and Grit Interceptor Maintenance</p>	<p>To prevent sanitary sewer overflows by maintaining the city's grease, sand, and grit interceptors.</p>	<p>Yes – The inspections of these interceptors, both physically and through trip tickets, ensures proper frequency of pumping thereby preventing or reducing SSO's.</p>
<p>5-8 Sand and Deicer Storage Locations</p>	<p>To reduce pollution run-off from sand, liquid deicer, and salt through proper storage, efficient application, and clean-up.</p>	<p>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.</p>
<p>5-9 City Owned Facilities</p>	<p>To list, inspect, and determine each facilities potential to impact on stormwater.</p>	<p>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.</p> <p>All 11 high priority facilities were inspected during this reporting period.</p>
<p>5-10 Structural Control Maintenance and Waste Disposal</p>	<p>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.</p>	<p>Yes – The maintenance of structural controls allows these to function properly and ensures the reduction of pollutants from getting into the surface waters.</p>
<p>5-11 New Construction and Land Disturbance</p>	<p>To apply for TPDES General Construction Permit for applicable city construction projects and ensure all permit requirements are met.</p>	<p>Yes – This ensures that the city's construction projects are in compliance with state requirements.</p>
<p>5-12 Contractor Oversight Procedures</p>	<p>Contractually require contractors to comply with pollution prevention measures and ensure through oversight that they are following those procedures.</p>	<p>Yes – This enables the city better oversight over their hired contractors.</p>

<p>5-13 Fire Fighting Training Activities</p>	<p>To prevent the discharge of chlorinated water to the storm drain or creek by researching and implementing alternative methods for fire training activities.</p>	<p>Yes - Following the SOP reduces the intrusion of chlorine and other chemicals into the surfaces waters and reduces its impact on fish and wildlife during training activities.</p>
<p>5-14 Employee Stormwater Pollution Prevention Training Program</p>	<p>To train all employees responsible for municipal operations subject to the pollution prevention and good housekeeping program.</p>	<p>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.</p>
<p>5-15 Flood Control Projects</p>	<p>To assess all impacts of receiving water for all flood control projects and implement changes on future flood control projects.</p>	<p>Yes – Flood control is directly linked to stormwater management. Structural flood control devices will also help improve water quality.</p>
<p>6.1 Inspection of Industrial Facilities</p>	<p>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.</p>	<p>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.</p>
<p>6.2</p>	<p>To determine impacts on the stormwater system through</p>	<p>Yes – The inspection of commercial facilities establishes direct contact with one group of potential stormwater polluters in the city, provides an assessment of</p>

Inventory/ Inspection of Commercial Facilities	inventory and inspection of commercial facilities.	their services vis-à-vis impacts on stormwater quality and recommendations to bring them into compliance with the city's stormwater ordinance.
		The city performed 1,811 inspections at 710 food establishments this reporting period.
		The city inspected 57 commercial facilities during this reporting period.
		977 inspections were completed at the 612 grease/grit traps during this reporting period.

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	765 brochures and educational materials from display racks and educational events. 2,173 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. 1,675 cases were investigated regarding trash and debris resulting in letters being sent to valid cases.	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.
1	1.2 Public Presentations	News Briefs to local paper, city newsletter, or social media twice a year. Stormwater letters to apartment complexes Presentations and Outreach Activities	82 articles appeared in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill 230 times in the reporting period. All 94 complexes within Carrollton received a letter. 41 presentations or outreach activities were conducted including 58 employees completing the general stormwater overview during their New Employee Orientation.	Articles Letters	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	866 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 2022 edition of On the Horizon 99 SmartScape bookmarks and 42 pamphlets distributed 1,380 Sessions with 69% new 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 reduce the amount of water, pesticides, and fertilizer used.
1	1.5 Environmental Education for Commercial and Industrial Facilities	Educational Materials	A packet of information was distributed to all new food establishments that applied for a permit; the packet included the pollution prevention posters and grease posters. The pollution prevention posters continued to be distributed to food establishments during routine inspections as needed. 1,811 Restaurant inspections	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 on stormwater issues, they will be more likely to correct negative actions, reducing the amount of pollutants produced.

1	1.6 Environmental Education for Construction Site Personnel	Industry education meeting	Two newsletters for industrial and commercial facilities were distributed in June 2022 and September 2022.	Meeting	
		Construction Packet	Annual Industry Meeting was held August 24, 2022.	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	102 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 List of Videos Website	9 stormwater cable slides and PSAs No new videos were obtained during this reporting period 10 posted educational videos: <ul style="list-style-type: none"> • Lawn Clipping Disposal • Yard Trimmings • Lawn & Yard Care • Litter • Paint Disposal • Proper Pool Draining in North Texas • Washing Your Vehicle • Water Conservation • Stormwater Pollution (HS Students) • Freddy the Fish (Children) 	PSA videos Videos Posted 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.
1	1.9	TCEQ Grease posters	TCEQ Grease posters were given to all new food establishments applying for a food permit via a folder with	Posters	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public, food establishments,

<p>TCEQ FOG Initiative</p>	<p>other pertinent information in this report period. They are also redistributed during routine inspections as needed.</p>	<p>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.</p>
<p>Letter to apartment managers</p>	<p>94 letters were mailed to apartment managers.</p>	<p>Letters</p>
<p>Food Establishment Inspections</p>	<p>1,811 food establishment inspections</p>	<p>Inspections</p>
<p>Apartment residents</p>	<p>2,000 Grease control flyers were distributed in August 2022 to all multi-family complexes.</p>	<p>FOG control brochures</p>
<p>Industries</p>	<p>No industries were issued a Notice of Violation for grease during this reporting period.</p>	<p>Grease control information</p>
<p>Articles</p>	<p>1 video ran every day, 7 articles on grease control or recycling appeared in various news media 21 times, these included the city newsletter, city website, Facebook, Twitter, and Netbill.</p>	<p>Articles</p>
<p>Website</p>	<p>Grease control information is available on the website at the following link: http://www.cityofcarrollton.com/de</p>	<p>Grease control information</p>

1	1.10 Household Hazardous Waste Site	Presentations and Outreach events	partments/departments-g-p/public-works/fat-free-sewers	Presentations and outreach events	
	Bill Insert	1 article/newsletter was developed.	3 presentations or educational events.	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 2021 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	<p>Website</p> <p>Pet Owners Requirements</p> <p>Pet waste bookmarks</p> <p>Pet waste bags</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>371 Animal Ownership brochures</p> <p>180 bookmarks</p> <p>120 pet waste containers with bags</p>	<p>Website</p> <p>Brochures</p> <p>Bookmarks</p> <p>Pet waste bags</p>	<p>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.</p>
Pet Waste		<p>52 educational signs in various parks and trails and 25 pet waste stations were maintained at the following locations:</p> <p>Mary Heads Carter (2)</p> <p>Clifford Hall (1)</p> <p>Harvest Run (2)</p> <p>Harold Bessie (1)</p> <p>Oak Creek (1)</p> <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>			<p>Signs and pet waste stations</p>

1	1.12 Environmental Services Website	Environmental Services Website	<p>The website is updated as needed. http://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services.</p> <p>The SWMP draft is currently posted on the City of Carrollton web page. The approved SWMP will be posted on webpage within 30 days of SWMP approval date.</p> <p>Annual report for year 3, October 2020 – September 2021 was posted on the City of Carrollton webpage on December 17, 2021. Annual reports will be posted on webpage within 30 days after due date of each of the 5 annual reports.</p>	<p>Website information</p> <p>Website</p> <p>Website</p>	<p>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.</p>
1	1.13 Electronic Newsletter for City Employees	City Employees	2 newsletters were distributed	Newsletters	<p>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.</p>

1	1.14 Environmental Education for Schools.	Schools	The city's Water/Environmental education programs was emailed to CFBISD and LISD twice during this reporting period. January 2022 – CFBISD, LISD August 2022 – 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 Public Meeting	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. The new 2019-2024 permit has not been approved by TCEQ. Once they approve the NOI and SWMP, this item will be completed as determined by TCEQ.	Public notice published Meeting	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.
1	1.16 Presentation of SWMP	Presentation Presentation	The new 2019-2024 permit has not been approved by TCEQ. 90 days after TCEQ's approval of SWMP. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	Presentation 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.

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	34 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot on 205 different days and collected 780 bags of trash. 3 new Adopt-A-Spot groups joined the program for a total of 23 adopted locations. 1 cooking oil disposal event held on November 29-30, 2021 collected 483 gallons 2 Drug Take Back events October 2021 collected 855 lbs. of materials, April 2022 collected 796 lbs. of materials. 1 Community Cleanup Event collected 78 bags of trash and debris.	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.

1	1.19 Citizens Advisory Committee	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 September 7, 2022.	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	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	Educational materials	
		Verification of new outfalls	Total of 1,240 outfalls.	Outfalls	
2	2.1 Storm Sewer System Map	Updated Map	IT updated the maps as new data was obtained.	Maps	Yes, This BMP poses as a direct reduction of pollutants. Keeping the stormwater map up to date allowed the on-call person to respond to and remediate spills and discharges at a quicker rate.

2	2.2 Stormwater Pollution Prevention Ordinance and Enforcement Response Guide	Ordinance revisions Adopted by Council ERP	Ordinance revisions were complete on September 11, 2020 and was adopted on January 12, 2021. Adopted on January 12, 2021 Enforcement Response Guide/SOP was continually implemented.	Ordinance Revisions Council meeting ERP and SOP	Yes and no, This EMP 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.
2	2.3 Spill Response	Complaints and Inspections Spill Response Manual	114 spills or discharges were responded to. Spill Response Manual was updated in August, September, and October 2020.	Inspections Manual updates	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.
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% new construction projects underwent site plan review and were inspected to ensure no illicit connections. Reviewed 45 new commercial permits and 174 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 Abated Incidents Enforcement	30 reported illegal dumping incidents 30 cases were investigated in this reporting period. 25 of these cases were found to be valid and were abated, in the process of being abated, or sent to another department for assistance. 100% of the illegal dumping cases where there was an identifiable party was followed up by an enforcement action.	Inspections Inspections 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.
2	2.7 Liquid Waste Program	Liquid Waste Hauler Permit Inspection Liquid Waste Hauler to submit tickets Facilities with liquid waste hauler	Permitted 94 trucks. Trip tickets were required to be submitted monthly. Enforcement actions were initiated when identified as not being completed. Trip tickets were reviewed during each routine inspection.	Inspections Trip Tickets Trip tickets	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.

2		Inventory of septic system	9 Septic systems remain within Carrollton.	Inventory	
2.8 Maintenance Program for Sanitary Sewers		SOP for septic systems (prevent and correct any leaking on-site sewage disposal system)	SOP was maintained.	SOP	Yes – The regular cleaning and maintenance of the sanitary sewer system reduced and prevented sanitary sewer overflows.
		Sewer Maintenance	Maintenance and inspections continued during this reporting period.	Inspections	
		Miles of sewer lines to clean	170 miles of the required 167.46 miles were cleaned during this reporting period.	Miles cleaned	
		Smoke and Dye testing	116,006 feet were smoke tested during this reporting period.	Miles Tested	
		Closed-circuit television inspections	104,097 feet were TV'd during this reporting period.	Feet inspected	
		Manhole inspections	2,197 manholes were inspected during this reporting period.	Inspections	
		Repaired manholes	319 have been repaired in this reporting period.	Repairs	

		Lift station inspections	1,092 inspections have been completed at the 19 sewer lift stations during this reporting period. Started in August 2021 a 20 th lift station was added and inspected.	Inspections	
2	2.9 Pet Waste Management	High-Risk section of sanitary sewer	The 9 sites listed on the 30-day list were cleaned monthly.	30-day List	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	Pet Waste Complaints	Received 17 complaints and all were investigated.	Inspections	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.
		Training	4 employees attended the Advanced dry weather screening training.	Training certificates	
		Outfall selections	66 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 March - April 2022 and August 2022. 66 outfalls were monitored 264 times.	Monitoring	
		Implementation	Implementation of this BMP is complete	Implemented	

2	2.11 Household Hazardous Waste Program	Household Hazardous Waste Program for Residents	141,311 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 is 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	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024. 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	1,675 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	1,811 inspections were conducted at 710 food establishments during this reporting period.	Inspections	
		Waterway clean-up & Adopt-A-Spot	780 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	3,240 inlets were inspected in this reporting period.	Inspections			
9000 pieces of trash removal	12,585 pieces of trash were collected in this reporting period.	Amount of Trash			
Structural controls	2 structural controls One structural control is already in place at Josey Ranch Lake. This control collected 118 lbs. of trash and debris before it reached waterways. 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			

3	Maintenance structural control	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023. 118 lbs. of paper and plastic was collected from Josey Ranch Lake structural control. The grate at San Chester was cleaned about 4 times with 100-600 lbs. of material removed.	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. 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.	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.
3	3-2 Plan Review for SWPPP and Submission of NOI/CS	Ordinance	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.	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. 73 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	21 preconstruction meetings 21 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	21 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 July 21, 2022. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	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 General Design Review	The city continued to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects. The General design standards review began in August 2021.	Ordinance	Yes - This BMP poses as a direct reduction of pollutants. Implementing the Stormwater and Flood Protection Ordinance, General design standards, and the ERP gives city employees a guideline for regulating stormwater standards in Carrollton and requiring structural controls.
4	4-2 Long-Term Operation and Maintenance Plan for Structural BMPs	List of structural BMPs Maintenance Plan Receipt Structural BMP Inspections Enforcement	A list of structural BMP's to be inspected was maintained. The city continued to implement procedures and methods to ensure the long-term maintenance of city structural BMPs. 16 post-construction structural controls were inspected in this reporting period. No enforcement was taken	List of structural BMPs SOP Inspections Enforcement records	Yes - This BMP poses as a direct reduction of pollutants. Inspections ensure structural BMPs are functioning properly or require deficiencies to be repaired.

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 Controls 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 net at Josey Ranch collected 118 lbs. of paper and plastic items in this reporting period. The grate at San Chester collected 100-600 lbs. of limbs and leaf litter.	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.
	Buffer no mow zones	Buffer zones	16 buffer and no mow zones to help with erosion and pollutant removal.		
	Landscaping native species & mowing restrictions	Purchase records	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.		
	Chemical applications	Schedule	A schedule for chemical application on all public spaces was maintained and implemented.		
	Pollutants of Concern	List of pollutants	A list of pollutants of concern from mowing, chemical application, and planting vegetation was maintained.		

5	5-2 Road and Bridge Maintenance	IPMP Plan for pesticides and fertilizers	The Integrated Pest Management Plans continued to be implemented for Animal Services and Parks and Recreation.	IPMP Plan	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.
		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	
		Street sweepings	3,135 curb miles were swept	Sweeping records	
		Street sweeping SOP	The SOP for street sweeping waste material disposal was maintained. Disposal locations were verified on November 9, 2021.	Contracts	
		Trash removal	12,585 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	

	5-3 Fleet Maintenance	Pollutants of concern	List of Pollutants of concern from road and bridge maintenance was maintained.	List of pollutants	
5	Fleet Inspections & SPCC	SOP for maintenance facilities	Inspections at maintenance and fueling facilities continued.	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.
	Vehicle washing	SOP for maintenance facilities	The SOPs for each of the three maintenance facilities were maintained.	SOPs	
	Vehicle Washing SOP	Sand Trap Servicing and Leaking Vehicle BMPs	City vehicles and equipment were washed at the wash bays or a contracted commercial facility. The SOP for vehicle and equipment washing was maintained.	SOPs	
	Parts & Materials Storage		Trips 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. 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.	Trip Tickets and forms	

		Forms continued to be signed by all employees during New Employee Orientation (NEO).	Leaking vehicle form	Leaking vehicle forms	
	Inspections	The annual inspection was completed on April 5 & 6, 2022.	Inspection Central Service Center and Public Works Yard	Inspections	
	Inspections	Inspections were performed quarterly.	Indian Creek Golf Course Quarterly Inspections	Inspections	
5	SPCC	SPCC and the pollution prevention plan continued to be implemented. Waste reduction and recycling options continued for office materials at city facilities.	Municipal buildings, parking lots and the public works yard were inspected in this fiscal year.	SPCC	Yes – This reduced the impact the city had on the environment during building and parking lot maintenance.
5.4	Municipal Buildings and Parking Lots Maintenance		Municipal building, and parking lot inspections	Inspections	
	Spill Response	The spill response manual was reviewed in this permit term.	Spill Response	SOP	
	Pollutants of Concern	A List of pollutants of concern from municipal building and parking lots maintenance has been maintained.	Pollutants of Concern	List of Pollutants	

5	5-5 Storm Sewer System Maintenance	Channel Inspections	During this reporting period 100% of the city-maintained channels were inspected. 3,240 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 this fiscal year.	SOP	
		Complaints	Complaints are 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 Procedures	The city continued to recycle all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations this reporting period. 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.	Recycling certificate SOP	Yes – Recycling of batteries and computer equipment reduced the impact that these items would have had the environment. The City recycled equipment on July 13, 2022.
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	5,520 gallons of liquid deicer and 960,600 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	MSDS for Salt and Deicer	SDSs were maintained on site.	SDS Records	
	Controls for Sand and Salt	Controls for Sand and Salt	Controls were in place for sand, salt, and liquid deicer.	SOP	
	Pollutants of Concern	Pollutants of Concern	List of pollutants of concern from the three materials used was maintained.	List of pollutants	
	Public Works SOP	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 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	Maps of city owned facilities	A map of city owned facilities & other stormwater controls was maintained.	City map	
	Assessment of high priority facilities	Assessment of high priority facilities	High Priority Facility inspections were completed on July 14, 2021.	Inspections	
	High Priority Facilities	High Priority Facilities	11 High Priority facilities:	Inspections	

	<ul style="list-style-type: none"> • Bobby Ballard Pump Station • Central Service Center (fleet, fuel station, Public Works Yard) • Indian Creek Golf Club • 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	<p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023. Public Works, Parks and Rec, and ICGC were all reviewed in this reporting period. Fire and Facilities/Fleet SOPs were reviewed in November 2022.</p>	SOP
SOP for New High Priority Facilities	<p>The new SOPs were created in July-August 2021</p>	SOP
High Priority inspections	<p>All 11 high priority facilities were inspected during this reporting period from April – August 2022.</p>	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.
5	5.11 New Construction and Land Disturbance	Inspections TPDES Construction General Permit Comply with Requirements	Inspections of structural controls was completed in this reporting period The city complied with TPDES construction permit requirements for those projects that were applicable. Contractors were required to comply with the TPDES construction permit requirements.	Inspections SWPPP TPDES construction general permit SWPPP Ordinance and 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.
5	5.12 Contractor Oversight Procedures	List of contractors Contractually require Stormwater Compliance Oversite protocol	List of contractors was maintained. Contractors were required to comply with stormwater control measures, good housekeeping practices, and facility-specific SOPs. Oversite procedures continued during this reporting period.	List of contractors Contract Requirements Inspections	Yes, This BMP poses as a direct reduction of pollutants. Maintaining a list of contractors and conducting oversite inspections ensured contractors complied with the stormwater ordinance, good housekeeping practices, and facility-specific SOPs.
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 helps the city develop new training and education materials for city employees.
	Pollution Prevention Training	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022 and January 24, 2024. Facilities and Public Works training was completed in 2021 and Parks and Recreation was completed in December 2021 of this reporting year. The next due date is January 24, 2022.	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. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022 and January 24, 2024.	
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 Inspection of Industrial Facilities	Inspect industrial facilities NPDES TPDES MSGP Compliance	During this reporting period the city conducted 106 inspections at industries. Industries have been identified and required to obtain coverage under the MSGP during inspections. The waste survey is done every 3 years.	Inspections Surveys and Inspections	Yes – Inspections provide direct observations and contact for potential or actual discharges with the industries in the city. Inspections required corrective actions 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 Food establishment grease trap Commercial Inspections Grease/grit trap inspections Implementation	An inventory of grease/grit traps has been maintained. The city performed 1,811 inspections at the 710 food establishments this reporting period. The city inspected 57 commercial facilities during this reporting period. 977 inspections were performed of the 612 grease/grit traps during this reporting period. BMP Implemented	Inventory list Inspections Inspections Inspections Inspections Complete	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).


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	<ol style="list-style-type: none"> 1. Distribute copies of brochures to all display racks at city buildings and at all public events and presentations. (200 per year). 2. News briefs in local paper or mailers/utility bill inserts twice a year. 	<p>Exceeded Goal – In this reporting period the city distributed 765 brochures and educational materials from display racks and educational events.</p> <p>Exceeded Goal – In this reporting period 82 articles appeared 230 times in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill throughout this reporting period.</p>
1.2 Public Presentations	<ol style="list-style-type: none"> 3. Continue to update and distribute the stormwater letters to all apartment managers currently in the database. 	<p>Met Goal – The stormwater letters were mailed to apartment complexes or managers. Each of the 94 complexes within Carrollton received a letter.</p>
1.3 Promotional Items	<ol style="list-style-type: none"> 1. Four presentations or outreach activities per year. 	<p>Exceeded Goal – Conducted 99 presentations or outreach activities in this reporting period, which included the New Employee Orientation training on a general stormwater overview.</p>
1.4 Annual “March is Texas SmartScape™ Month”	<ol style="list-style-type: none"> 1. Distribute 200 promotional items per year. 	<p>Exceeded Goal – During this reporting period staff distributed 866 promotional items.</p>
1.4 Annual “March is Texas SmartScape™ Month”	<ol style="list-style-type: none"> 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. 	<p>Met Goal – In February 2022, 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. Two 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 99 SmartScape bookmarks and 42 pamphlets. According to NCTCOG, Carrollton</p>

		had 1380 Sessions with 69% new sessions on the Texas SmartScape website.
1.5 Environmental Education for Commercial and Industrial Facilities	<ol style="list-style-type: none"> 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. 2. Hold annual industry meeting. 	<p>Met Goal - A packet of information was distributed to all new food establishments that applied for a permit; the packet included the 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 June 2022 and September 2022.</p> <p>Met Goal – The annual industry meeting was held on August 24, 2022.</p>
1.6 Environmental Education for Construction Site Personnel	<ol style="list-style-type: none"> 1. Distribute information packet to 100% of applicants for a grading or building permit. 	<p>Met Goal – Distributed stormwater information during the 21 preconstruction meetings.</p>
1.7 Storm Drain Marking	<ol style="list-style-type: none"> 1. Placement or replacement of 100 markers per year. 	<p>Exceeded Goal – City employees and volunteers placed 102 markers in this reporting period.</p>
1.8 Stormwater and Pollution Prevention Videos and Public Service Announcements	<ol style="list-style-type: none"> 1. Continue broadcast of Stormwater Management video or PSA's on local cable public access channel and on the stormwater webpage. 2. Evaluate acquisition of other videos and incorporate to video library if appropriate. 3. Maintain library of videos annually. Include information on the web site. 	<p>Goal Met – Nine cable slides and PSAs ran every day at 6:45 pm Stormwater videos are posted on the stormwater web page.</p> <p>Met Goal – No new videos were acquired during this reporting period. No new acquisitions received.</p> <p>Met Goal – A library of videos is available and posted on the stormwater website. https://www.cityofcarrollton.com/departments/departments-aff/environmental-quality-services/stormwater/storm-water-videos</p>

<p>1.9 TCEQ FOG Initiative</p>	<ol style="list-style-type: none"> 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. 2. Distribute an educational letter to every manager of an apartment complex currently in the database at least once every year. 3. Routine inspections for posters displayed and redistribute posters as needed for every restaurant currently in database at least once per year. 4. Distribute grease control information to tenants in all multifamily complexes yearly. 5. Distribute grease control information to 100% of industries with grease violations yearly if applicable. 6. Grease control information provided in water bills, the city newsletter or on social media three times a year. 7. Information posted on the city website every day of the year. 8. Three presentations or outreach activities per year. 	<p>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.</p> <p>Goal Met – Educational letters have been distributed to all 94 apartment managers in conjunction with their annual inspection notice in this reporting period.</p> <p>Goal Met – This was checked during each routine inspection for applicable establishments and documented on the inspection sheet. New posters were distributed as needed.</p> <p>Met Goal – 2,000 Grease control flyers were distributed in August 2022 to all multi-family complexes.</p> <p>Met Goal – No industries were identified as needing Notice of Violations during this reporting period.</p> <p>Exceeded Goal – 1 video ran every day on cable tv, posters were distributed advertising the grease recycling event, and 7 articles on grease control or recycling appeared in various news media 21 times, these included the city newsletter, city website, Facebook, Twitter, and Netbill.</p> <p>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.</p> <p>Met Goal – 3 presentations or educational events were conducted during this reporting period.</p>
<p>1.10 Household Hazardous Waste Site</p>	<ol style="list-style-type: none"> 1. Develop one mailer or water bill insert per year. 2. Distribute mailers or water bill inserts to 32,000 residents yearly. 3. Post information on the web page every day of the year. 	<p>Met Goal – One article/newsletter was developed and ran in November 2021 On the Horizon Newsletter.</p> <p>Exceeded Goal – The household hazardous waste article ran in the November 2021 edition of the On the Horizon newsletter. It reached 33,500 subscribers.</p> <p>Met Goal – Posted on the web page at: https://www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste.</p>

<p>1.11 Pet Waste Education</p>	<p>1. Distribute to all residents adopting or reclaiming a pet, at presentations, and public events. Post information on the website.</p> <p>2. Maintain 52 signs and 25 pet waste stations at the dog parks and greenbelts/trails as needed.</p>	<p>Met Goal – The following educational items were distributed at Animal Services and public events/presentations: bookmarks – 180; Pet waste containers with bags – 120; Animal Ownership brochures – 371. Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-a-f/animals-services/animal-ordinances</p> <p>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).</p>
<p>1.12 Environmental Services Website</p>	<p>1. Information posted on the webpage will be available every day of the year.</p> <p>2. SWMP posted on the web page.</p> <p>3. Annual reports posted on the webpage.</p> <p>1. Distribution of two electronic newsletters per year.</p>	<p>Met Goal – the website is updated as needed. http://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services.</p> <p>On Track – The approved SWMP draft is currently posted on the City of Carrollton web page. The SWMP will be posted on the webpage within 30 days of SWMP approval date.</p> <p>Met Goal – Annual report for year 3, October 1, 2020 – September 20, 2021, posted on the City of Carrollton Stormwater webpage on December 17, 2021. Annual reports will be posted on webpage within 30 days after due date of each of the 5 annual reports.</p> <p>Met Goal – During this reporting period 2 newsletters were developed and distributed in January 2022 and March 2022.</p>
<p>1.14 Electronic Newsletter for City Employees Environmental Educational for Schools</p>	<p>1. Develop and distribute a list of programs available to the three public school districts in Carrollton yearly.</p>	<p>Met Goal – The information packet on the Water/Environmental education programs was emailed in January 2022 and August 2022 to CFBISD and LISD.</p>


<p>1.15 Comply with State and Local Public Notice Requirements</p>	<p>1. Publish notice of TCEQ determination on NOI and SWMP. 2. Publish notice of Public Meeting if determined to be necessary by TCEQ.</p>	<p>The new 2019-2024 permit has not been approved by TCEQ. The 2019 – 2024 Stormwater Management Plan states this item must be complete in year 1-2 as determined by TCEQ. The new 2019-2024 permit has not been approved by TCEQ. Once they approve the NOI and SWMP, this item will be completed as determined by TCEQ.</p>
<p>1.16 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. 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 new 2019-2024 permit has not been approved by TCEQ. The due date is 90 days after TCEQ's approval of SWMP. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.</p>
<p>1.17 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 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 34 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot on 205 different days and collected 780 bags of trash. 3 new Adopt-A-Spot groups joined the program for a total of 23 adopted locations. 1 city hosted cooking oil disposal event held on November 29-30, 2021 collected 483 gallons 2 Drug Take Back events October 2021 collected 855 lbs. of materials, April 2022 collected 796 lbs. of materials. 1 City hosted Community Cleanup Event collected 78 bags of trash and debris.</p>

	<p>2. Provide volunteers opportunities to reduce litter in waterways and greenbelts.</p>	<p>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-ents-a-f/environmental-quality-services/stormwater/volunteer-opportunities).</p>
1.19	1. Annual meetings with Citizen Advisory Committee.	Met Goal – Held September 7, 2022.
Citizens Advisory Committee	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	Exceeded Goal. Materials were developed and shown to the group during the meeting. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.
	4. Distribute to Residents	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.
2.1	1. Verification of new or newly discovered outfalls.	Met Goal – total of 1,240 outfalls.
Storm Sewer System Map	2. Map continuously updated as new data is obtained.	Met Goal – IT updated the maps as new data is obtained.
2.2	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.
Stormwater Pollution Prevention Ordinance and Enforcement Response Guide	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	1. Respond to spills within 1 hour 95% of the time.	Met Goal – In this reporting period, staff responded to approximately 114 spills or discharges within 1 hour 95% of the time.
Spill/Emergency Response	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	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
Illicit Discharge Reporting Line		

2-5 Construction Plans Review and Site Inspection for Illicit Connections	1. 100% 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.	Met Goal – 100% new construction projects underwent site plan review and were inspected to ensure no illicit connections. Reviewed 45 new commercial permits and 174 new residential permits.
2.6 Illegal Dumping	1. 90% active illegal dumping incidents respond within one hour.	Met Goal – There were 30 reported illegal dumping incidents. All active illegal dumping cases were responded to within an hour.
	2. 100% abatement of illegal dumping incidents.	Met Goal – All valid cases have either been abated or in the process of being abated during this reporting year.
	3. 100% incidents with identifiable responsible party to be followed by enforcement action.	Met Goal – 100% of the illegal dumping cases where there was an identifiable party was followed up by an enforcement action.
2.7 Liquid Waste Program	1. 100% permitted liquid waste haulers inspected once a year.	Met Goal – Permitted 94 trucks.
	2. 100% permitted liquid waste haulers to submit used tickets monthly.	Met Goal – Trip tickets were required to be submitted monthly. Enforcement actions were initiated when identified as not being completed. 1 NOV and 5 citations were issued for either not having a permit, not filling out/submitted trip tickets properly, or not having a permit.
	3. 100% identified facilities to use a permitted liquid waste hauler.	Met Goal – Trip tickets are reviewed during each routine inspection.
	4. Review and update if necessary, the inventory of septic tanks in the city once per term.	Met Goal – Reviewed and updated on October 22, 2020 – 9 septic systems.
	5. Maintain the SOP to prevent and correct any leaking on-site sewage disposal system.	Met Goal – SOP was maintained.
2.8 Maintenance Program for Sanitary Sewers	1. Annual maintenance and inspection of the sanitary sewer system.	Met Goal – Annual maintenance and inspections of sanitary sewer system continued this reporting period.
	2. Clean miles of sewer lines based on the 5-year cycle. (Year 4 of the cycle was 138 miles to be cleaned)	Exceeded Goal – 170 miles of the required 167.46 miles were cleaned during this reporting period.
	3. Smoke and dye testing of 100,000 feet per year.	Exceeded Goal – 116,006 feet of smoke and dye testing was completed during this reporting period.

		4. Conduct closed-circuit television inspections of 100,000 feet per year.	Exceeded Goal – 104,097 feet were TV'd during this reporting period.
		5. Inspect 2,100 manholes per year.	Exceeded Goal – 2,197 manholes were inspected during this reporting period.
		6. Repair and/or bring to grade 300 manholes per year.	Exceeded Goal – 319 have been repaired in this reporting period.
		7. Lift stations inspected monthly.	Exceeded Goal – 1,092 inspections have been completed at the 19 sewer lift stations during this reporting period. Started in August 2021 a 20 th lift station was added and inspected.
		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 17 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 – 4 employees attended the Advanced training on July 27, 2021. 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. 66 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 March-April 2022 and August 2022. 66 outfalls were monitored 264 times.
		5. Implementation Complete.	Met Goal – BMP has been implemented.
2.11		1. Provide a household hazardous waste disposal program for 100% of single-family residents in Carrollton. The	Met Goal – Service was provided through Waste Management and Republic www.cityofcarrollton.com/departments/departments-q-

Household Hazardous Waste Program	number of households that use the program and the pounds collected will be tracked monthly.	z/trash-recycling/household-hazardous-waste. In this reporting period, residents disposed of 141,311 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.	On Track - The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024. Parks and Recreation, Environmental Services, and some Police Officers completed the training in this reporting period.
2.14 Floatables	1. Trash and debris letters mailed to all residents and businesses in violation of the ordinance. 2. 100% of food establishment's dumpsters inspected for lids, drain plugs, and ground free of litter.	Met Goal – In this reporting period 1,675 trash and debris cases were investigated.
3. Waterway Cleanup Program and Adopt-A-Spot Volunteer Programs available all year.		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 1,811 inspections out of the 710 food establishments this reporting period. 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 780 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.

<p>Exceeded Goal – In this reporting period 3240 inlets were inspected in this reporting period. 205 inlets were cleaned.</p>	<p>5. Inspect 3,154 storm inlets per year.</p>	
<p>Exceeded Goal – 12,585 pieces of trash were collected in this reporting period.</p>	<p>6. 9,000 pieces of trash collected from the roadways per year. Monthly trash removal from I-35.</p>	
<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> 	<p>7. Determine the locations and device for 2 structural controls.</p>	
<p>Met Goal – Both Structural controls have been installed.</p>	<p>8. Install 2 structural controls.</p>	
<p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p> <p>The city-maintained the net at Josey Ranch monthly and collected 118 lbs. of paper and plastic items in this reporting period. The grate was cleaned out about 4 times with 100-600 lbs. of material removed.</p>	<p>9. Maintain structural controls at least twice per year and determine amount removed.</p>	
<p>Met Goal – The city continued to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide.</p>	<p>1. Continue to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide.</p>	<p>3.1</p>

<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>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 – SOP was maintained for site inspection and enforcement requirements.</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 53 inspections. Engineering performed about 20 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>

<p>3-5 Stormwater Information Package for Construction Site Operators</p>	<p>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.</p>	<p>Met Goal – The information was distributed to all construction site operators at the preconstruction meetings during this reporting period – 21 packets distributed.</p>
<p>3-6 Preconstruction Meetings</p>	<p>1. Conduct preconstruction meetings with all (100%) applicants that apply for a grading or building permit.</p>	<p>Met Goal – 21 Preconstruction meetings were held with all grading or building permit applicants during this reporting period.</p>
<p>3-7 Employee Training</p>	<p>1. Train all employees responsible for the implementation of the construction stormwater program.</p>	<p>Building Inspection conducted training for their inspectors on July 21, 2022. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.</p>
<p>3-8 Construction Site Inventory</p>	<p>1. Inventory of all permitted active public and private construction sites 1 acre or part of a larger common plan of development.</p>	<p>Met Goal – Development Services and Engineering maintained an inventory of their active construction sites.</p>
<p>4-1 Stormwater and Flood Protection Ordinance and General Design Standards</p>	<p>1. Continue to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects. 2. Yearly review of the General Design Standards. 3. Review the ERG once during the permit term. Update if needed.</p>	<p>Met Goal – The city continued to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects. 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. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.</p>
<p>4-2 Long-Term Operation and Maintenance Plan for Structural BMPs</p>	<p>1. Maintain a list of all Structural BMP's to be inspected. 2. Receipt of Maintenance Plan for structural controls installed on a site or filed as required in the deed for the property.</p>	<p>Met Goal – A list of structural BMP's to be inspected was maintained. Met Goal - The city continued to implement procedures and methods to ensure the long-term maintenance of city structural BMPs.</p>

	<p>3. Documented inspections of 10 post-construction structural controls per year.</p>	<p>Exceeded Goal – 16 post-construction structural controls were inspected in this reporting period.</p>
	<p>4. Document and maintain records of enforcement actions for post-construction structural controls.</p>	<p>Met Goal – No enforcement actions were required during this reporting period.</p>
<p>4-3 Construction Site Plan Review</p>	<p>1. Site plan review of 100% new development/ redevelopment projects.</p> <p>2. Maintain SOP for Construction Site Plan Review.</p>	<p>Met Goal – Site plan review was performed on 100% of new and redeveloped projects. 45 commercial and 174 residential applications.</p> <p>Met Goal – SOP for Construction Site Plan Review was maintained and followed.</p>
<p>4-4 Green Space Preservation</p>	<p>1. Implementation of green space preservation policies in 100% new projects.</p>	<p>Met Goal - The green space preservation policies applied to 100% of new projects in this reporting term.</p>
<p>4-5 Tree Preservation Ordinance</p>	<p>1. Implementation of Tree Preservation Ordinance in 100% new projects.</p>	<p>Met Goal - The Tree Preservation Ordinance continued to be implemented in this reporting period.</p>
<p>4-6 Inspection of Structural BMPs during Construction</p>	<p>See section 3.3, Construction Site Inspection.</p>	<p>Met Goal - See Section 3.3 Construction Site Inspection.</p>
<p>4-7 Limited Mowing Height</p>	<p>1. All park areas will be mowed at a frequency to ensure a minimum height of 2.5 inches of ground coverage.</p>	<p>Met Goal - Mowers were set for a minimum height of 2.5 inches.</p>

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 net at Josey Ranch collected 118 lbs. of paper and plastic items in this reporting period and the grate at San Chester collected 100-600 lbs. of materials.
	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
5-2 Road and Bridge Maintenance	1. Major arterials swept once a month, including the selected municipal parking lots.	1 Irrigation Technicians (Parks 1 Technicians).
	2. Maintain the SOP for street sweeping waste material disposal. Verify disposal method by contractor.	Met Goal – 3,135 curb miles were swept during this reporting period
	3. Collect approximately 9,000 trash and debris items from roadways and ditches.	Met Goal –The SOP for street sweeping waste material disposal was maintained. Disposal locations were verified on November 9, 2021. Exceeded Goal – 12,585 pieces of trash were collected in this reporting period.

	<p>4. Maintain the erosion and pollution prevention guidelines from road and bridge repair operations as needed.</p> <p>5. Maintain list of Pollutants of concern from road and bridge maintenance.</p>	<p>Met Goal – The erosion and pollution prevention guidelines from road and bridge repair operations were maintained.</p> <p>Met Goal - List of Pollutants of concern from road and bridge maintenance was maintained.</p>
<p>5-3 Fleet Maintenance</p>	<p>1. Weekly inspection/cleaning of maintenance and fueling facilities. Continue to implement spill response and pollution prevention plans (SPCC) at each fueling facility.</p> <p>2. Maintain the SOPs for each of the three maintenance facilities.</p> <p>3. All vehicles and equipment washed in bays or commercial vehicle wash.</p> <p>4. Maintain the SOP for vehicle and equipment washing.</p> <p>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.</p> <p>6. Parts and materials stored under cover. Continue recycling program for materials.</p> <p>7. Continue to have new employees sign form regarding leaking vehicles during daily use by an employee.</p> <p>8. Annual Inspection of the Central Service Center maintenance yard.</p> <p>9. Quarterly inspections of the ICGC.</p>	<p>Met Goal – Inspections at maintenance and fueling facilities continued during this reporting period.</p> <p>Met Goal – The SOPs for each of the three maintenance facilities were maintained.</p> <p>Met Goal – City vehicles and equipment were washed at the wash bays or a contracted commercial facility.</p> <p>Met Goal - The SOP for vehicle and equipment washing was maintained.</p> <p>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.</p> <p>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.</p> <p>Met Goal – Forms continued to be signed by all employees during New Employee Orientation (NEO).</p> <p>Met Goal – The annual inspections were completed on April 5-6, 2022.</p> <p>Met Goal – Inspections were performed quarterly.</p>
<p>5-4 Municipal Buildings and Parking Lots Maintenance</p>	<p>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.</p> <p>2. Continue inspections of Municipal Buildings and parking lots, including the Public Works yard.</p>	<p>Met Goal – SPCC and the pollution prevention plan continued to be implemented. Waste reduction and recycling options continued for office materials at city facilities.</p> <p>Met Goal – Municipal buildings, parking lots and the public works yard were inspected in this fiscal year.</p>

	<p>3. Evaluate spill response and pollution prevention plan, adjust plan as necessary.</p> <p>4. Maintain a list of pollutants of concern from municipal buildings and parking lot maintenance.</p>	<p>Met Goal – Spill response manual was reviewed and updated in August, September, and October 2020.</p> <p>Met Goal – A List of pollutants of concern from municipal building and parking lots maintenance has been maintained.</p>
5-5	<p>1. Inspect 100% of the city-maintained channels yearly and 3,154 of inlets per year.</p> <p>2. Review the current schedule for maintenance operations. Revise as necessary.</p> <p>3. Respond to 100% of complaints and other problems.</p> <p>4. Continue to inspect the 2 storm lift stations monthly.</p> <p>5. Maintain a list of potential problem areas for increased inspections.</p>	<p>Exceeded Goal – During this reporting period 100% of the city-maintained channels were inspected. 3,240 inlets were inspected.</p> <p>Met Goal - Schedule for maintenance operations was updated this fiscal year.</p> <p>Met Goal - Complaints were addressed as needed.</p> <p>Exceeded Goal – Storm lift stations were inspected weekly – 104 inspections were conducted between the 2 lift stations in this reporting period.</p> <p>Met Goal – List of potential problem areas for increased inspections has been maintained.</p>
5.6	<p>1. Continue recycling of all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations.</p> <p>2. Continue feasible procedures to collect and recycle batteries from deployed equipment.</p>	<p>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 on July 13, 2022.</p> <p>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.</p>
5.7	<p>1. Grease, sand, and grit trap maintenance will be done yearly in accordance with the city ordinance or variance approval through Environmental Services.</p>	<p>Met Goal – All city traps/interceptors were pumped in accordance with the city ordinance or variance approval through Environmental Services.</p>
5.8	<p>1. Limit sand, salt, and liquid deicer application to minimum amount necessary to ensure safe driving and walking conditions.</p> <p>2. Maintain SDS on site for salt and liquid deicer.</p> <p>3. Continue to implement appropriate controls for sand, salt, and liquid deicer storage.</p>	<p>Met Goal – Public Works used the following amounts in this reporting period: 55,200 gallons of liquid deicer and 960,600 lbs. of sand.</p> <p>Met Goal – SDSs were maintained on site.</p> <p>Met Goal – Controls were in place for sand, salt, and liquid deicer.</p>
Sand and Deicer Storage Locations		

	<p>4. Maintain list of pollutants of concern from the three materials used.</p> <p>5. Maintain written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP.</p> <p>6. Inspect controls for sand, salt, and deicer storage.</p>	<p>Met Goal – List of pollutants of concern from the three materials used was maintained.</p> <p>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.</p> <p>Met Goal – Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.</p>
<p>5-9 City Owned Facilities</p>	<p>1. Maintain an inventory of city-owned facilities.</p> <p>2. Maintain a map of city-owned facilities & other stormwater controls.</p> <p>3. Perform a documented assessment of city owned facilities.</p> <p>4. Identification of high priority facilities.</p> <p>5. Review facility specific SOPs for all current high priority facilities.</p> <p>6. Develop facility specific SOPs for any newly identified high priority facility during the assessment.</p> <p>7. Inspection of all high priority facilities yearly.</p>	<p>Met Goal – An inventory of city-owned facilities was maintained.</p> <p>Met Goal – A map of city-owned facilities & other stormwater controls was maintained.</p> <p>Met Goal - High Priority Facility inspections were completed on July 14, 2021.</p> <p>Met Goal – 2 new facilities were added to the high priority facilities list in July 2021.</p> <p>Met Goal - Most of SOPs were reviewed in this reporting period with the last few completed in November 2022.</p> <p>Met Goal - The 2 new facility specific SOPs for the new high priority facilities were completed in July-August 2021</p> <p>Met Goal – All 10 high priority facilities were inspected during this reporting period from April - August 2022.</p>
<p>5-10 Structural Control Maintenance and Waste Disposal</p>	<p>1. Maintain an inventory of structural controls. Update as needed.</p> <p>2. Inspections of city structural controls will be done once in the permit term.</p>	<p>Met Goal – The inventory of structural controls was maintained.</p> <p>Met Goal – All city-owned structural controls have been inspected this permit term.</p> <p>Animal Services: 11/23/2021</p> <p>Parking lot downtown: 05/17/2022</p> <p>Regional Detention Pond/ Vandergriff and Broadway Detention Pond: 05/17/2022</p>

		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	<ol style="list-style-type: none"> 1. 100% of projects where the city meets the definition of operator will comply with TPDES construction general permit requirements. 2. Require 100% contractors of municipally owned construction projects to comply with TPDES construction stormwater permit requirements. 	<p>Met Goal – The city complied with TPDES construction permit requirements for those projects that were applicable.</p> <p>Met Goal - Contractors were required to comply with the TPDES construction permit requirements.</p>
5.12 Contractor Oversight Procedures	<ol style="list-style-type: none"> 1. Maintain list of contractors 2. Continue to contractually require contractors to comply with stormwater control measures, good housekeeping practices and facility-specific SOPs. 3. Continue to implement oversight procedures. 	<p>Met Goal – List of contractors was maintained.</p> <p>Met Goal – Contractors were contractually required to comply with stormwater control measures, good housekeeping practices, and facility-specific SOPs.</p> <p>Met Goal – Oversight procedures continued during this reporting period.</p>
5.13 Fire Fighting Training Activities	<ol style="list-style-type: none"> 1. Continue implementing BMPs during training activities. 	<p>Met Goal – Fire Department continued to implement BMPs during training activities.</p>
5.14 Employee Stormwater Pollution Prevention Training Program	<ol style="list-style-type: none"> 1. Participate in the NCTCOG Pollution Prevention Task Force (regional program) to identify pollution prevention training materials and/or develop new materials as needed. 2. Continue training all employees in departments responsible for operations or maintenance functions. Document training. 	<p>Met Goal – Staff attended the NCTCOG Pollution Prevention Task Force Meetings and participated in developing training materials.</p> <p>Met Goal – training for applicable departments was completed in December 2021.</p>

	<p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022 and January 24, 2024.</p>
5-15	<p>Met Goal - A list was created and approved on November 25, 2020.</p>
Flood Control Projects	<p>Met Goal - The structural flood controls have been evaluated and one will be retrofitted in late 2023. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p> <p>Met Goal - A plan has been developed for retrofitting one structural flood control in late 2023. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.</p> <p>Met Goal – Not applicable as there were no new flood control structures proposed during this reporting period.</p> <p>Met Goal – No new flood control structures were proposed during this reporting period.</p>
6.1	<p>Exceeded Goal –During this reporting period the city conducted 106 inspections at industries.</p> <p>Met Goal – Industries have been identified and required to obtain coverage under the MSGP during inspections. The waste survey is done every 3 years.</p>
Inspection of Industrial Facilities	<p>Met Goal – An inventory of grease/grit traps has been maintained.</p>
6.2	<p>Exceeded Goal – The city performed 1,811 inspections at the 710 food establishments this reporting period.</p> <p>Exceeded Goal – The city inspected 57 commercial facilities during this reporting period.</p> <p>Exceeded Goal – 612 Grease/grit traps were listed at the end of the reporting year with 977 inspections being completed.</p> <p>Met Goal.</p>
Inventory/ Inspection of Commercial Facilities	<p>Met Goal.</p>

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. The WQI calculator used was from the Wilkes University Center for Environmental Quality Environmental Engineering and Earth Sciences website at <http://www.water-research.net/watqualindex/index.htm>. Six creeks were monitored with 18 sampling locations, namely: Indian Creek, Dudley Branch, Furneau Creek, Hutton Branch, Cooks Branch, and the Valwood Improvement Channel. The WQI results from the January 2022 data were 14 had a good rating and 4 had an excellent rating. The results from the June 2022 monitoring had 16 locations with a good rating, and 2 with an excellent WQI rating. The surface water monitoring data was reviewed in 2020 and 66 outfalls were selected to be monitored for Dry Weather Screening. Dry Weather Screening was conducted twice at the 66 outfalls once in March-April 2022 and once in August 2022. 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 114 spills and illicit discharges, 30 illegal dumping cases, and 20 complaints about pet waste. Parks continued to remove trash from greenbelts and waterways at least 200 days each year and Public Works removed 15,585 pieces of trash from the roadways and ditches. Staff worked 1,675 cases regarding trash and debris, volunteers removed 780 bags of trash with the creek clean-up and adopt-a-spot programs, and the net at Josey Ranch collected 118 pounds of paper and plastic items. The city swept 3.135 curb miles of major arterials and selected city parking lots and inspected 3,240 storm drain inlets in the city. Stormwater inspections were conducted at 710 food establishments (1,811 inspections), 57 commercial facilities, and 106 industries. 977 inspections were completed at the 612 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 (Ex: Total Suspended Solids)	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 SWMP on the City of Carrollton webpage	30 days after the approval date
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	Public Notice	Publish notice of TCEQ determination on NOI and SWMP	As determined by TCEQ
1	Public Notice	Publish notice of Public Meeting if determined to be necessary by TCEQ	As Determined by TCEQ
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	90 days after TCEQ's approval of SWMP
	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.	January 24, 2024
1	Citizen's Advisory Committee	Distribute educational materials.	January 24, 2024
2	Illegal Dumping and Litter Control	Maintain the 2 structural controls at least twice per year.	January 24, 2023 The two structural controls are being maintained.
3	Employee Training	Training of all employees responsible for the implementation of the construction stormwater program.	January 24, 2024

4	Stormwater enforcement Response Guide	Review the ERG once during the permit term. Update if needed	January 24, 2024
5	Employee Training for Pollution Prevention	Continue training all employees in departments responsible for operations or maintenance functions. Document training.	January 24, 2024

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)
NA	NA	NA

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 ___ NA ___ 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: 5

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

___ Yes ___ X ___ 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

January 2022:

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)
01/05/2022	IC1	14.8	8.46	8.4	347	14.5	0.04	0	85 - Good
01/05/2022	IC2	8.9	7.76	13.7	687	14.4	0	0.616	90 - Excellent
01/24/2022	FC1A	10.6	8.7	16.3	626	4.79	0	0	74 - Good
01/24/2022	FC2	25	8.06	14.5	753	9.77	0.12	0	87 - Good
01/24/2022	FC3	10	8.27	14.1	526	11.1	0.2	0	84 - Good
01/24/2022	FC4	25	8.24	13	887	7.05	0.14	0	89 - Good
01/24/2022	FC5	25	7.89	14.4	526	5.68	0.1	0.44	90 - Excellent
01/05/2022	HB1	14.6	8.07	14	526	4.67	0	0	88 - Good
01/24/2022	HB2	9.8	8.88	18.5	595	2.5	0	0.264	74 - Good
01/24/2022	HB3	11.2	8.74	14.2	382	3.54	0	0	74 - Good
01/24/2022	HB4A	11.3	7.59	11.3	591	5.44	0.32	4.4	86 - Good
01/24/2022	HB5	13.8	9.03	13.5	336	6.68	0.5	1.32	74 - Good
01/05/2022	DB1	10.5	8.15	13.6	843	9.7	0	0.352	89 - Good
01/05/2022	DB2	12.8	7.67	15.8	1034	11.8	0	0.44	79 - Good
01/05/2022	DB3	12.9	7.85	17.1	921	9.21	0.1	0.616	78 - Good
01/05/2022	CB1A	17	8.01	10.5	990	4.74	0	1.32	93 - Excellent
01/05/2022	CB2	15.4	8.23	9.5	723	10.8	0	2.2	90 - Excellent
01/05/2022	VI1	15.1	8.25	16.4	1068	7.55	0	2.2	73 - Good

June 2022:

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)
06/08/2022	IC1	26	8.13	6.6	435	62.1	0	0	82 - Good
06/08/2022	IC2	26.5	7.72	5.8	737	20.4	0.3	1.14	82 - Good
06/08/2022	FC1A	26	8.22	7.6	531	8.15	0.36	0	87 - Good
06/08/2022	FC2	27.6	7.7	5.2	NA	14.8	0.36	0	81 - Good
06/08/2022	FC3	26.4	7.89	5.9	NA	13.6	0.2	0	83 - Good
06/08/2022	FC4	26.1	7.78	5.5	NA	12.6	0.14	0	86 - Good
06/08/2022	FC5	25.2	7.54	6.1	NA	8.38	0	2.024	89 - Good
06/08/2022	HB1	27.3	7.97	6.5	NA	73.1	0	0	83 - Good
06/08/2022	HB2	NA	8.03	7.1	NA	8.82	0	0	92 - Excellent
06/08/2022	HB3	28.2	7.79	5.9	NA	11.7	0	0	89 - Good
06/08/2022	HB4A	25.7	7.85	5.7	NA	3.98	0.14	4.4	83 - Good
06/08/2022	HB5	29.1	10.44	9.7	NA	7.73	0	0.352	90 - Excellent
06/08/2022	DB1	27.3	8.14	4.4	417	32.8	0.1	0	73 - Good
06/04/2022	DB2	26.3	8.14	9.3	1094	25.9	0.1	0.264	86 - Good
06/08/2022	DB3	28.3	7.76	8.6	NA	26.7	0.3	0.264	86 - Good
06/08/2022	CB1A	24.2	7.97	8	NA	15.5	0.3	0.176	88 - Good
06/08/2022	CB2	25.4	8.98	7.9	NA	6.35	0.3	0	83 - Good
06/08/2022	VI1	27.2	7.8	7.1	NA	69.3	0.1	0.264	85 - Good

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

Outfalls to be Monitored for Dry Weather Screening 2021:

Indian Creek:	Reason for Selection:	Site Description:
OF 4040	Kohl's shopping center OF	North of Kohl's on southeast side of detention area
OF 4041	Outfall for apartment, residential & commercial (Kroger shopping center)	Northeast side of the detention area opposite of Kohl's outfall
OF 0309	Commercial outfall	Northwest side behind the shopping center at Old Denton and Hebron - north outfall
OF 0308	Commercial outfall	Northwest side behind the shopping center at Old Denton and Hebron - south outfall
OF 0428	Commercial outfall	Huffines and W. Hebron - across from the daycare on Huffines
OF 0382	Large residential outfall	End of Legacy at Creekside
OF 0379	Large residential outfall	Creekside - northeast of OF0382
Hutton Branch:	Reason for Selection:	Site Description:
OF 4355	Apartment Complex outfall - right	Drainage channel for Trinity Crossing Apts
OF 1296	Apartment Complex outfall - left	Drainage channel for Trinity Crossing Apts
OF 1279	Residential outfall	Along Kelly North side of the channel where HB4 sample is taken
OF 1281	Residential outfall	Along Kelly North side of the channel upstream of OF1279
OF 1443	Residential outfall	West of Wentwood and Old Mill Rd - drains Renwick and Wentwood
Cooks Branch:	Reason for Selection:	Site Description:
OF 1118	Drains large residential area	Northeast side of channel at Nix and Fyke
OF 1112	Large residential outfall	Southside of Fyke on Farmers Branch Side
VI Channel:	Reason for Selection:	Site Description: 44 outfalls
All outfalls	All industrial/commercial outfalls	Entire length of Valwood Improvement Channel

Outfalls to be Monitored for Dry Weather Screening 20xx:

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
OF 0517	Large outfall from Commercial area	Outfall behind Duval Dr
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
Multiple OF	Outfalls by Industrial Area	Off Hutton Between Valwood and Champion RR
Multiple OF	Outfalls by Industrial Area	Off Mackenzie Dr Between Valwood and Champion RR
Multiple OF	Outfalls by Industrial Area	Off McDaniel Dr Between Valwood and Champion RR

Indian Creek – Dry Weather Screening:

Outfalls:	<u>OF0435</u>		<u>OF4040</u>		<u>OF4041</u>	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	04/19/2022 8:40	04/19/2022	04/19/2022 8:51	04/19/2022 16:01	04/19/2022 8:51	04/19/2022 15:45
Flow	high	high	None	None	medium	medium
pH	6.96	7.96			7.67	7.98
Conductivity (µS)	734	812			1	1
Detergent (ppm)	0	0			0	0
Ammonia Nitrogen (ppm)	0	0			0	0
Water Temp (°F)	21.2	23.3			18.3	24.4
Turbidity (NTU)	3.13	3.32			6.8	8.98
Chlorine (ppm)	0	0			0	0
Color	clear	clear			clear	clear
Odor	none	none			none	none
Sewage	none	none			none	none
Surface Scum	no	no			none	no
Trash	yes	yes			yes	yes
Oil Sheen	no	no			none	no

Outfalls:	OF0435		OF4040		OF4041	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	08/29/2022 10:16	08/29/2022 16:23	08/29/2022 10:35	08/29/2022 15:55	08/29/2022 10:35	08/29/2022 15:55
Flow	High	High	None	None	Medium	Medium
pH	7.81	7.9			7.88	7.76
Conductivity (µS)	0	829			2000	2000
Detergent (ppm)	0	0			0	0
Ammonia Nitrogen (ppm)	0	0			0	0
Water Temp (°F)	27	28.9			30.2	28.3
Turbidity (NTU)	2.95	2.03			5	2.76
Chlorine (ppm)	0	0			0	0
Color	Clear	Clear			Clear	Clear
Odor	none	none			none	none
Sewage	none	none			none	none
Surface Scum	none	none			none	none
Trash	Yes	Yes			Yes	Yes
Oil Sheen	None	None			None	None

Furneaux Creek – Dry Weather Screening:

<u>Outfalls:</u>	<u>OF1062</u>		<u>OF2257</u>		<u>OF2258</u>		<u>OF2259</u>	
	<u>1st Visit</u>	<u>2nd Visit</u>	<u>1st Visit</u>	<u>2nd Visit</u>	<u>1st Visit</u>	<u>2nd Visit</u>	<u>1st Visit</u>	<u>2nd Visit</u>
<u>Date/Time</u>	04/19/2022 9:31	04/19/2022 16:38	04/19/2022 9:40	04/19/2022 16:30	04/19/2022 9:40	04/19/2022 16:30	04/19/2022 9:40	04/19/2022 16:30
<u>Flow</u>	Medium	Medium	None	None	None	None	None	None
<u>pH</u>	7.6	7.83	-	-	-	-	-	-
<u>Conductivity (µS)</u>	1149	793	-	-	-	-	-	-
<u>Detergent (ppm)</u>	0.2	0.5	-	-	-	-	-	-
<u>Ammonia Nitrogen (ppm)</u>	2	205	-	-	-	-	-	-
<u>Water Temp (°F)</u>	17.2	24.4	-	-	-	-	-	-
<u>Turbidity (NTU)</u>	76.4	95.4	-	-	-	-	-	-
<u>Chlorine (ppm)</u>	0	0	-	-	-	-	-	-
<u>Color</u>	murky - grey	murky - grey	-	-	-	-	-	-
<u>Odor</u>	sewage	sewage	-	-	-	-	-	-
<u>Sewage</u>	Yes	Yes	-	-	-	-	-	-
<u>Surface Scum</u>	Yes	Yes	-	-	-	-	-	-
<u>Trash</u>	Yes	Yes	-	-	-	-	-	-
<u>Oil Sheen</u>	No	No	-	-	-	-	-	-

Outfalls: Date/Time	OF1062		OF2257		OF2258		OF2259	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
:	08/29/2022 11:21	08/29/2022 16:50	08/29/2022 11:45	08/29/2022 16:45	08/29/2022 11:45	08/29/2022 16:45	08/29/2022 11:45	08/29/2022 16:45
<u>Flow</u>	Low	Low	None	None	None	None	None	None
<u>pH</u>	7.82	7.83	-	-	-	-	-	-
<u>Conductivity (µS)</u>	1660	2000	-	-	-	-	-	-
<u>Detergent (ppm)</u>	0	0	-	-	-	-	-	-
<u>Ammonia Nitrogen (ppm)</u>	0	0	-	-	-	-	-	-
<u>Water Temp (°F)</u>	27.8	28.5	-	-	-	-	-	-
<u>Turbidity (NTU)</u>	55.5	41.8	-	-	-	-	-	-
<u>Chlorine (ppm)</u>	0	0	-	-	-	-	-	-
<u>Color</u>	Clear	Clear	-	-	-	-	-	-
<u>Odor</u>	Sewage-like	Sewage-like	-	-	-	-	-	-
<u>Sewage</u>	None	None	-	-	-	-	-	-
<u>Surface Scum</u>	None	None	-	-	-	-	-	-
<u>Trash</u>	Yes	Yes	-	-	-	-	-	-
<u>Oil Sheen</u>	None	None	-	-	-	-	-	-

Cooks Branch – Dry Weather Screening:

Outfalls:	<u>OF1117</u>		<u>OF1113</u>	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	04/19/2022 9:57am	04/19/2022 4:50pm	04/19/2022 9:57am	04/19/2022 4:50pm
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	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	08/29/2022 11:59am	08/29/2022 5:12pm	08/29/2022 11:59AM	08/29/2022 5:12PM
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:	Ofo215		Ofo216	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	04/19/2022 9:10am	4/19/2022 3:30pm	04/19/2022 9:10am	4/19/2022 3:30pm
Flow	High	High	None	None
pH	8.01	8.32	-	-
Conductivity (µS)	930	904	-	-
Detergent (ppm)	0	0	-	-
Ammonia Nitrogen (ppm)	0	0	-	-
Water Temp (°F)	18.1	26.5	-	-
Turbidity (NTU)	4.4	8.9	-	-
Chlorine (ppm)	0	0	-	-
Color	NA	clear	-	-
Odor	no	no	-	-
Sewage	no	no	-	-
Surface Scum	no	no	-	-
Trash	Yes	Yes	-	-
Oil Sheen	no	no	-	-

<u>Outfalls:</u>	<u>OF0215</u>		<u>OF0216</u>	
	<u>1st Visit</u>	<u>2nd Visit</u>	<u>1st Visit</u>	<u>2nd Visit</u>
<u>Date/Time:</u>	08/29/2022 10:47AM	08/29/2022 3:39PM	08/29/2022 10:47AM	08/29/2022 3:39PM
<u>Flow</u>	High	High	None	None
<u>pH</u>	7.82	8.26	-	-
<u>Conductivity (µS)</u>	990	987	-	-
<u>Detergent (ppm)</u>	0	0	-	-
<u>Ammonia Nitrogen (ppm)</u>	0	0	-	-
<u>Water Temp (°F)</u>	27.6	27.9	-	-
<u>Turbidity (NTU)</u>	2.41	4.83	-	-
<u>Chlorine (ppm)</u>	0	0	-	-
<u>Color</u>	clear	clear	-	-
<u>Odor</u>	no	no	-	-
<u>Sewage</u>	no	no	-	-
<u>Surface Scum</u>	no	no	-	-
<u>Trash</u>	Yes	Yes	-	-
<u>Oil Sheen</u>	no	no	-	-

Valwood Channel (Hutton) – Dry Weather Screening:

Outfalls:	4284		1394		4282		4280	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	3/29/22 8:52 AM	3/29/22 3:03 PM	3/29/22 8:52 AM	3/29/22 3:04 PM	3/29/22 8:53 AM	3/29/22 3:04 PM	3/29/22 8:53 AM	3/29/22 3:04 PM
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								

4278		4277		4274		4273		4272	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 8:53 AM	3/29/22 3:04 PM	3/29/22 8:53 AM	3/29/22 3:04 PM	3/29/22 8:54 AM	3/29/22 3:05 PM	3/29/22 9:08 AM	3/29/22 3:05 PM	3/29/22 9:08 AM	3/29/22 3:05 PM
NONE	NONE	NONE	NONE	HIGH	NONE	NONE	NONE	NONE	NONE
				9.34					
				444					
				0					
				0					
				22.2					
				81.2					
				0					
				brown					
				NONE					
				NONE					
				NONE					
				NONE					
				NONE					
				NONE					

4270		1396		4263		4266		4265	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 9:08 AM	3/29/22 3:05 PM	3/29/22 9:09 AM	3/29/22 3:05 PM	3/29/22 9:09 AM	3/29/22 3:06 PM	3/29/22 9:10 AM	3/29/22 3:07 PM	3/29/22 9:11 AM	3/29/22 3:07 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

4264		4269		4271		4275		4276	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 9:11 AM	3/29/22 3:08 PM	3/29/22 9:11 AM	3/29/22 3:08 PM	3/29/22 9:12 AM	3/29/22 3:08 PM	3/29/22 9:12 AM	3/29/22 3:09 PM	3/29/22 9:12 AM	3/29/22 3:09 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

4279	4281		4283		1397
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 9:12 AM	3/29/22 3:09 PM	3/29/22 9:13 AM	3/29/22 3:10 PM	3/29/22 9:13 AM	3/29/22 3:10 PM
NONE	NONE	NONE	NONE	NONE	NONE

Outfalls:	4284		1394		4282		4280	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	8/3/22 10:12 AM	8/3/22 4:36 PM	8/3/22 10:12 AM	8/3/22 4:36 PM	8/3/22 10:12 AM	8/3/22 4:37 PM	8/3/22 10:12 AM	8/3/22 4:37 PM
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								

4278		4277		4274		4273		4272	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/3/22 10:12 AM	8/3/22 4:37 PM	8/3/22 10:12 AM	8/3/22 4:37 PM	8/3/22 10:12 AM	8/3/22 4:37 PM	8/3/22 10:12 AM	8/3/22 4:37 PM	8/3/22 10:13 AM	8/3/22 4:37 PM
NONE	NONE	NONE	NONE	none	NONE	NONE	NONE	NONE	NONE

<u>4270</u>		<u>1396</u>		<u>4263</u>		<u>4266</u>		<u>4265</u>	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/3/22 10:13 AM	8/3/22 4:37 PM	8/3/22 10:13 AM	8/3/22 4:37 PM	8/3/22 10:13 AM	8/3/22 4:37 PM	8/3/22 10:13 AM	8/3/22 4:37 PM	8/3/22 10:21 AM	8/3/22 4:44 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

4264		4269		4271		4275		4276	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/3/22 10:21 AM	8/3/22 4:44 PM	8/3/22 10:23 AM	8/3/22 4:44 PM	8/3/22 10:23 AM	8/3/22 4:44 PM	8/3/22 10:23 AM	8/3/22 4:44 PM	8/3/22 10:23 AM	8/3/22 4:44 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

4279		4281		4283		1397	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/3/22 10:23 AM	8/3/22 4:44 PM	8/3/22 10:23 AM	8/3/22 4:44 PM	8/3/22 10:23 AM	8/3/22 4:44 PM	8/3/22 10:23 AM	8/3/22 4:44 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

Valwood Channel - McKenzie:

Dry Weather Screening:

Outfalls:	4262		4261		4259		4257	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	3/29/22 9:15 AM	3/29/22 3:12 PM	3/29/22 9:16 AM	3/29/22 3:12 PM	3/29/22 9:16 AM	3/29/22 3:12 PM	3/29/22 9:17 AM	3/29/22 3:13 PM
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								

4255		4252		4250		4249		4248	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 9:17 AM	3/29/22 3:13 PM	3/29/22 9:30 AM	3/29/22 3:21 PM	3/29/22 9:30 AM	3/29/22 3:21 PM	3/29/22 9:32 AM	3/29/22 3:22 PM	3/29/22 9:32 AM	3/29/22 3:22 PM
LOW	LOW	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
8.78	8.57								
604	613								
0	0								
0	0								
21.8	24.2								
28.7	4.48								
0	0								
CLEAR	CLEAR								
NONE	NONE								
NONE	NONE								
NONE	NONE								
YES	YES								
NONE	NONE								

4251		4253		4254		4256		4258	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 9:35 AM	3/29/22 3:24 PM	3/29/22 9:35 AM	3/29/22 3:24 PM	3/29/22 9:35 AM	3/29/22 3:24 PM	3/29/22 9:36 AM	3/29/22 3:25 PM	3/29/22 9:36 AM	3/29/22 3:25 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

4260	
1st Visit	2nd Visit
3/29/22 9:36 AM	3/29/22 3:25 PM
NONE	NONE

Outfalls:	4262		4261		4259		4257	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	8/15/22 2:24 PM	8/16/22 8:17 AM	8/15/22 2:24 PM	8/16/22 8:18 AM	8/15/22 2:24 PM	8/16/22 8:18 AM	8/15/22 2:25 PM	8/16/22 8:19 AM
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								

4255		4252		4250		4249		4248	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/15/22 2:26 PM	8/16/22 8:19 AM	8/15/22 2:39 PM	8/16/22 8:28 AM	8/15/22 2:40 PM	8/16/22 8:28 AM	8/15/22 2:40 PM	8/16/22 8:28 AM	8/15/22 2:41 PM	8/16/22 8:29 AM
Medium	Medium	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
8.68	8.58								
643	680								
0	0								
0	0								
28.4	23.3								
19.5	7.27								
0	0								
CLEAR	CLEAR								
NONE	NONE								
NONE	NONE								
NONE	NONE								
YES	YES								
NONE	NONE								

4251		4253		4254		4256		4258	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/15/22 2:43 PM	8/16/22 8:30 AM	8/15/22 2:43 PM	8/16/22 8:30 AM	8/15/22 2:44 PM	8/16/22 8:30 AM	8/15/22 2:44 PM	8/16/22 8:31 AM	8/15/22 2:44 PM	8/16/22 8:31 AM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

4260	
1st Visit	2nd Visit
8/15/22 2:44 PM	8/16/22 8:31 AM
NONE	NONE

Valwood Channel - McDaniel:

Dry Weather Screening:

Outfalls:	4223		4224		4227		4228	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	3/29/22 9:38 AM	3/29/22 3:27 PM	3/29/22 9:38 AM	3/29/22 3:27 PM	3/29/22 9:38 AM	3/29/22 3:27 PM	3/29/22 9:39 AM	3/29/22 3:28 PM
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								

<u>4231</u>		<u>4233</u>		<u>4235</u>		<u>4236</u>		<u>4237</u>	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 9:39 AM	3/29/22 3:28 PM	3/29/22 9:39 AM	3/29/22 3:28 PM	3/29/22 9:40 AM	3/29/22 3:29 PM	3/29/22 9:40 AM	3/29/22 3:29 PM	3/29/22 9:41 AM	3/29/22 3:30 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

<u>4234</u>		<u>2319</u>		<u>4232</u>		<u>4230</u>		<u>4229</u>	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 9:41 AM	3/29/22 3:30 PM	3/29/22 9:42 AM	3/29/22 3:30 PM	3/29/22 9:42 AM	3/29/22 3:31 PM	3/29/22 9:43 AM	3/29/22 3:31 PM	3/29/22 9:43 AM	3/29/22 3:31 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

4226		4225		4223	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/29/22 9:43 AM	3/29/22 3:32 PM	3/29/22 9:44 AM	3/29/22 3:32 PM	3/29/22 9:44 AM	3/29/22 3:32 PM
NONE	NONE	NONE	NONE	NONE	NONE

Outfalls:	4223		4224		4227		4228	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	8/15/22 2:46 PM	8/16/22 8:33 PM	8/15/22 2:46 PM	8/16/22 8:33 PM	8/15/22 2:46 PM	8/16/22 8:33 PM	8/15/22 2:46 PM	8/16/22 8:33 PM
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								

4231		4233		4235		4236		4237	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/15/22 2:47 PM	8/16/22 8:34 PM	8/15/22 2:47 PM	8/16/22 8:34 PM	8/15/22 2:47 PM	8/16/22 8:34 PM	8/15/22 2:47 PM	8/16/22 8:34 PM	8/15/22 2:48 PM	8/16/22 8:35 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

4234		2319		4232		4230		4229	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/15/22 2:49 PM	8/16/22 8:36 PM	8/15/22 2:49 PM	8/16/22 8:36 PM	8/15/22 2:49 PM	8/16/22 8:37 PM	8/15/22 2:49 PM	8/16/22 8:37 PM	8/15/22 2:50 PM	8/16/22 8:37 PM
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE


<u>4226</u>		<u>4225</u>		<u>4223</u>	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
8/15/22 2:50 PM	8/16/22 8:37 PM	8/15/22 2:50 PM	8/16/22 8:37 PM	8/15/22 2:50 PM	8/16/22 8:37 PM
NONE	NONE	NONE	NONE	NONE	NONE

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: 12/14/2022

Name of MS4: City of Carrollton

(

(

(