

December 16, 2020

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 2. The reporting period's beginning October 1, 2019 and ending September 30, 2020.

A separate Notice of Change has not been submitted based on the fact that 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 TXRo400000

A. General Information

Authorization Number: TXRo40326

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

Annual Reporting Year Option Selected by MS4:

Fiscal Year: X Last day of fiscal year: (September 30, 2020)

Reporting period beginning date: (month/date/year) October 1, 2019

Reporting period end date: (month/date/year) September 30, 2020

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. 7015 1520 0002 5577 9352

Region the annual report was submitted to: TCEQ Region 4 USPS Certified Mail No. 7015 1520 0002 5577 9369

B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions: (TXRo400000 Part IV.B.2)

Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	x	x	The city experienced a cyber-attack on October 10, 2019, some data was lost between August 8, 2019 – October 10, 2019. Most operating systems have been restored; however, some systems are still being repaired or rebuilt. Due to COVID-19 some activities were not completed to protect City employee's health. In addition, some private facilities restricted access to the public including city inspectors to protect their employees and patron's health.
	Yes	No	Explain

Permittee is currently in compliance with recordkeeping and reporting requirements.	x	x	The city experienced a cyber-attack in October 2019 with the intent to disrupt operations. During this attack, all city records and data were unobtainable, except for stored hardcopies. City employees did not have computers until December 2019. Initially, the city was unsure whether any data would be recovered; however, the city has slowly recovered most data from computers and department programs/record keeping systems. To date, most network drives and data have been restored but are still working on the inspection and marketing systems. Data from August 8, 2019 – October 10, 2019 was lost. The cyber-attack affected and took down all city programs, the website, cable channel, and phones.
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 Storm Water Reading Materials	To educate all groups through different types of reading materials including news articles, brochures, posters and notice letters on impacts of storm water on water quality, hazards associated with illegal discharges and improper disposal of waste, and steps they can take to reduce pollutants in storm water.	Yes – Since the materials come in various formats it reaches out to a variety of groups and a large number of 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. Distributed 952 brochures and educational materials from display racks and educational events. 2,272 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. 1,197 cases were worked regarding trash and debris, valid cases were issued NOV's. 16 articles appeared in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill 57 times throughout the reporting period. 86 complexes within Carrollton received a letter containing stormwater information along with their annual inspection notice.

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 of waste, and steps they can take to reduce pollutants in storm water.	Yes – Each of the 10 presentations or educational events were tailored to cater to the target audience thus delivering the topic in a relevant and understandable form.
1.3 Promotional Items	To educate all groups by sending storm water 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. 942 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. 2 educational displays, 123 SmartScape bookmarks and pamphlets were distributed, and 1,512 Sessions with 73% new sessions on the SmartScape NTCGOG website.

1.5 Environmental Education for Commercial and Industrial Facilities	To educate commercial and industrial facilities about impacts of storm water on water quality; hazards associated with illegal discharges and improper disposal of waste; and steps they can take to reduce pollutants in storm water 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. Three newsletters for industrial and commercial facilities were distributed in December 2019, March 2020, and June 2020. Pollution prevention posters were distributed to food establishments during this fiscal year.
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 through handouts and a brief presentation.	Yes – A construction information packet is distributed directly to the 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. 18 Construction packets were distributed and included an overview of the requirements at the pre-construction meetings.
1.7 Storm Drain Marking	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.	Yes – The storm water 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. 104 markers were placed.

1.8 Storm Water and Pollution Prevention Videos & Public Service Announcements	To educate all groups about impacts of storm water on water quality; hazards associated with illegal discharges and improper disposal of waste; and steps they can take to reduce pollutants in storm water through videos.	Yes – These videos are dynamic educational tools because these include relatable, real-life situations and stormwater pollution prevention recommendations that they can follow. These videos also incorporate the printed words. 7 stormwater cable slides and PSAs: Be Smart with Your Landscape, Don't Let Your Good Recycling Go to Waste, Help Keep Pollution Out of Storm Drains, Only You Can Prevent Sewer Backups, Pick Up After Your Pets, Household Hazardous Waste, and Storm Drains Are For Rain Only. 7 posted educational videos: Lawn Clipping Disposal, Paint Disposal, Washing Your Vehicle, Water Conservation, Storm Water Pollution (High School Students), Freddy the Fish (Children), and Yard Trimmings
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1.9 TCEQ FOG Initiative	To educate restaurants, apartment managers, apartment tenants, and industries about fats, oils, and grease and ways to reduce the possibility of a sanitary sewer overflow through brochures, posters, website, inspections, and presentations.	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. 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 638 routine inspections as needed. 86 letters to apartment managers were mailed. 2,000 Grease control flyers were distributed in September 2020 to all multi-family complexes. 3 articles on grease control appeared 10 times in various news media, these included the city newsletter, city website, Facebook, Twitter, and Netbill. 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 10 presentations or educational events were conducted
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1.10 Household Hazardous Waste Disposal	To educate residents about proper disposal of household hazardous waste and where they can dispose of their wastes.	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. 1 household hazardous waste article ran in the December 2019 On the Horizon newsletter. Information was posted on the web page at: https://www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste.
1.11 Pet Waste Education	To educate pet owners about the importance of cleaning up after their pets.	Yes – Educational information is distributed directly to the appropriate group that has the most control over this issue. Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-aff/animals-services/animal-ordinances 335 Animal Ownership brochures, 100 bookmarks, and 45 Pet waste containers with trash bags were distributed. 52 educational signs on picking up after pets and 25 pet waste stations were maintained at the following locations: Mary Heads Carter (2), Clifford Hall (1), Harvest Run (2), Rosemeade Dog Park (5), McInnish Dog Park (9), and Downtown (3).

1.12 Environmental Services website	To educate all groups on storm water issues through a web site that is available every day of the year.	Yes – Educational information is available every day of the year from any computer to those who seek the information. The website is updated as needed. http://www.cityofcarrollton.com/departments/departments-aff/environmental-quality-services. 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. Annual report for year 1, December 2018 – September 2019. Was posted on the City of Carrollton webpage on January 2, 2020. Annual reports will be posted on webpage within 30 days after the due date of each of the 5 annual reports.
1.13 Electronic Newsletter for City Employees	To educate public service employees on storm water issues and/or pollution prevention topic.	Yes – Three newsletters were distributed directly to all employees and copies printed for those without computer access. They provided stormwater pollution prevention information employees can use in their daily lives, while reiterating their role as city employees in preventing stormwater pollution.
1.14 Environmental Education for Schools	To provide information about the programs that the city offers to teachers/schools.	Yes – This information is distributed to teachers/schools at the beginning of every semester or twice a year. These are helpful to, and welcomed by, the teachers and students alike.
1.15 Comply with State and Local Public Notice Requirements	To involve the public by soliciting comments on the Storm Water Pollution Prevention Ordinance and the NOI and SWMP as required.	Yes – Gives the public a chance to comment on ordinances and SWMP prior to approval by City Council or the TCEQ.

1.16 Presentation of SWMP	To get input and support from citizens and businesses about the SWMP	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 citizen and business.
1.17 Illicit Discharge Reporting Line	To provide a means for the public to report illicit discharges 24 hours a day that the city may not notice.	Yes – The city's 3 hotlines or reporting lines allows the public to report violators that the city may not discover.
1.18 Volunteer Creek and Greenbelt Cleanup, Recycling and Chemical Collection	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.	Yes – This is another tangible way to involve citizens, groups, and businesses to help clean-up waterways, dispose of medications and FOG appropriately. 19 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot on 71 different days and collected 178.5 bags of trash. 1 Drug Take Back event collected 39 boxes containing 712 lbs. of materials. 1 Cease the Grease event collected 453.75 gallons.
1.19 Citizens Advisory Committee	To involve residents, industries, school districts, etc. to be involved in the implementation of the SWMP.	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. Stormwater Advisory Meeting was held on August 12, 2020 and 2 educational topics were selected to focus outreach on: Landscaping Debris and Household Hazardous Waste program.

2.1 Storm Sewer System Map	To complete and verify a map of all outfalls in the city.	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 stormwater system. There is a total of 1,239 outfalls.
2.2 Storm Water Pollution Prevention Ordinance and Enforcement Response Guide	To develop and implement an ordinance to prohibit non-storm water discharges.	Yes – This gives the city the legal authority to prohibit and enforce non-storm water discharges into the storm water system. The ordinance also serves to inform every one of their responsibilities towards preventing stormwater pollution.
2.3 Spill/Emergency Response	To respond quickly to and clean up accidental or intentional releases of hazardous materials by having a staff member available for spill response 24/7.	Yes – This ensures coverage by trained staff for spill remediation, reporting, and enforcement during all times, thereby minimizing the adverse impact of releases to the stormwater system. 142 spills or discharges were investigated and remediated if found valid.
2.4 Illicit Discharge Reporting Line	To provide a means for the public to report illicit discharges 24 hours a day that the city may not notice.	Yes – The city's 3 reporting lines allow citizens to report discharges 24 hours a day and therefore ensures the timely response by trained staff to respond to these illicit discharges.
2.5 Construction Plans Review and Site Inspection for Illicit Connections	To review construction plans and perform site inspections for detection and elimination of illicit connections.	Yes – This ensures that there are no illicit connections during the building process. 100% new construction projects underwent site plan review and were inspected to ensure no illicit connections.

2.6 Illegal Dumping	To eliminate illegal dumping and littering through abatement and enforcement activities.	Yes – This not only establishes the quick removal of illegal dumping and litter, but also deters repeat violators. 23 cases were investigated during this reporting period and the 10 valid cases have been abated and were followed up with enforcement where appropriate.
2.7 Liquid Waste Program	To reduce the impact that liquid waste haulers and liquid waste generators have on water quality through inspections, permits, and monitoring.	Yes – This program lays down the permitting process, responsibilities, and sanctions for violators which will limit stormwater pollution from indiscriminate dumping of liquid waste and negligent/lack of grease/grit trap maintenance. Permitted 78 trucks were permitted and trip tickets were tracked and verified.

2.8 Maintenance Program for Sanitary Sewers	To prevent and reduce sanitary sewer overflows through proactive maintenance of the sanitary sewer system.	Yes – This maintenance program reduces and prevents sanitary sewer overflows, thus reducing and preventing stormwater pollution. Maintenance and inspections continued during this reporting period. 57.35 miles of the required 53.72 miles were cleaned during this reporting period. 25,381 feet were TV'd during this reporting period. 2,212 manholes were inspected during this reporting period. 311 have been repaired in this reporting period. 988 inspections have been completed at the 19 sewer lift stations during this reporting period. 9 sites listed on the 30-day list were maintained every month. 19 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 16 complaints and all were investigated.

2.10 Dry Weather Discharge Screening	To participate in the regional protocol for dry weather screening and to purchase items to use for monitoring.	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. 62 outfalls were monitored two times for a total of 248 screenings.
2.11 Household Hazardous Waste Program	To provide residents with a means of disposing of their household hazardous waste.	Yes – The program provided allowed residents to dispose of their household hazardous waste properly, at no cost, and at their curbside, thereby encouraging for the timely and easy disposal versus the inconvenient collection, storing, and travelling to collection sites. 177,617 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 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 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.

2.14 Floatables	To prevent floatables from entering waterways through education, inspections, and direct removal.	Yes – These activities help reduce the amount of floatables in waterways through inspections and trash/debris removal by city employees, residents and businesses to help reduce the amount of floatables in waterways. 1,197 trash and debris cases were investigated, the letter were sent to the valid cases to remediate the violation. 638 inspections at food establishments were performed in this reporting period. 178.5 bags of trash were removed from waterways by volunteers, 16,436 pieces of trash were collected by Public Works, and trash was picked up by Parks per their schedule in this reporting period. 3,397 inlets were inspected in this reporting period. The structural control at Josey Ranch Lake collected 143 lb. of trash and debris before it reached waterways.
3.1 Ordinance for Construction Site Erosion and Sediment Controls and Enforcement	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.	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.
3.2 Storm Water Pollution Prevention Plan Review and Submission of NOI/CSN	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.	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.

3-3 Construction Site Inspection	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 – 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.
3-4 Response to Citizen Complaints	To respond to public inquiries, concerns, and complaints regarding all construction sites regardless of the size of the land disturbance.	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.
3-5 Storm Water Information Package for Construction Site Operators	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.	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. 18 educational packets were distributed and discussed during preconstruction meetings.
3-6 Preconstruction Meetings	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.	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. 18 Preconstruction meetings were held with all grading or building permit applicants during this reporting period.
3-7 Employee Training	To train construction inspectors and enforcement officers on inspecting construction sites.	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.

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 storm water 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. 11 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 portion of the land to neighborhood parks.	Yes – Preserving pervious surfaces allows runoff to infiltrate into the ground; some of the pollutants present are removed by the soil and vegetation, while reducing the volume and velocity of runoff.

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 storm water 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 reduce the amount of pesticides and fertilizer used in parks and open spaces through the use of native plants in landscaping at city facilities, use of mulching mowers. To remove trash from parks and open areas.	Yes – The utilization of native plants, mulching and the like reduces applied pesticides and fertilizers and serves as a pollutant source reduction practice.
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. 2409.86 curb miles were swept, and 16,436 pieces of trash were collected in this reporting period.

5-3 Fleet Maintenance	To implement pollution prevention measures through inspections, good housekeeping practices, and spill response.	Yes – This reduces the impact the city's fleet maintenance has on the environment as this also entails recycling and proper disposal of the various waste streams like used oil, anti-freeze, and tires.
5-4 Municipal Buildings and Parking Lots Maintenance	To develop and implement a pollution prevention plan for the maintenance of city facilities.	Yes – This reduces the impact the city may have on the stormwater system during building and parking lot maintenance.
5-5 Storm Sewer System Maintenance	To ensure the storm water system is functioning properly by inspecting and maintaining the storm water system.	Yes – These routine inspections help determine if there are problems with the storm water system and allows for the timely repair and maintenance to have these functioning efficiently. During this reporting period 100% of the city-maintained channels were inspected. 3,397 inlets were inspected. 104 inspections were conducted between the 2 lift stations in this reporting period.
5-6 Waste Reduction of Information Technology and Communications Operations	To further reduce pollution from hazardous materials in batteries and computer equipment by recycling or properly disposing these.	Yes - Proper disposal of batteries and computer equipment reduces the impact that these items have on the environment.
5-7 Grease, Sand and Grit Interceptor Maintenance	To prevent sanitary sewer overflows by maintaining the city's grease, sand, and grit interceptors.	Yes – The inspections of these interceptors, both physically and through trip tickets, ensures proper frequency of pumping thereby preventing SSO's.

5.8 Sand and Deicer Storage Locations	To reduce pollution run-off from sand, liquid deicer, and salt through proper storage, efficient application, and clean-up.	Yes – Proper storage, efficient application, and timely cleanup reduces consequent pollution resulting from these necessary safety applications and also reduces material costs. Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.
5.9 City Owned Facilities	To list, inspect, and determine each facilities potential to impact on stormwater.	Yes – These assessments aid in characterizing priority facilities in terms of monitoring and applying additional or site-specific BMPs to prevent pollution of the stormwater system. All 9 high priority facilities were inspected during this reporting period.
5.10 Structural Control Maintenance and Waste Disposal	To ensure the optimal operation of structural controls by keeping an inventory, ensuring maintenance of, and proper disposal of waste from these structures.	Yes – The maintenance of structural controls allows these to function properly and ensures the reduction of pollutants from getting into the surface waters.
5.11 New Construction and Land Disturbance	To apply for TPDES General Construction Permit for applicable city construction projects and ensure all permit requirements are met.	Yes – This ensures that the city is in compliance with state requirements.
5.12 Contractor Oversight Procedures	Contractually require contractors to comply with pollution prevention measures and ensure through oversight that they are following those procedures.	Yes – This enables the city better oversight over their hired contractors.

5.13 Fire Fighting Training Activities	To prevent the discharge of chlorinated water to the storm drain or creek by researching and implementing alternative methods for fire training activities.	Yes - Following the SOP reduces the intrusion of chlorine and other chemicals into the surfaces waters and reduces its impact on fish and wildlife during training activities.
5.14 Employee Storm Water Pollution Prevention Training Program	To train all employees responsible for municipal operations subject to the pollution prevention and good housekeeping program.	Yes – This training provides both general stormwater pollution prevention practices for municipal operations and also discusses operation-specific consequences and BMPs to minimize/prevent any adverse impacts.
5.15 Flood Control Projects	To assess all impacts of receiving water for all flood control projects and implement change on future flood control projects.	Yes – Flood control is directly linked to stormwater management. Structural flood control devices will also help improve water quality.

6.1 Inspection of Industrial Facilities	To conduct inspections of industries that may impact storm water through their discharges and identify, or keep records of, industries that are required to obtain a storm water permit.	Yes – The inspection of industries establishes direct contact with one group of potential stormwater polluters in the city, provides an assessment of their operations vis-à-vis impacts on stormwater quality and recommendations to bring them into compliance with TCEQ's MSGP requirements and the city's stormwater ordinance. During this reporting period the city conducted 139 inspections at industries.
6.2 Inventory/ Inspection of Commercial Facilities	To determine impacts on the storm water system through inventory and inspection of commercial facilities.	Yes – The inspection of commercial facilities establishes direct contact with one group of potential stormwater polluters in the city, provides an assessment of 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 638 inspections at food establishments this reporting period. The city inspected 29 commercial facilities during this reporting period. 588 grease/grit traps have been inspected during this reporting period.

- 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):

PROJECT	DATE	INITIATIVE USED	VERIFICATION	COMMENTS	DIRECT REDUCTION IN POLLUTANTS? (Answer Yes or No and explain)
1	1.1 Storm Water Reading Materials	Brochures	952 brochures and educational materials from display racks and educational events. 2,272 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. 1,197 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.
		News Briefs to local paper, city newsletter, or social media twice a year.	16 articles appeared in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill 57 times throughout the reporting period	Articles	
		Stormwater letters to apartment complexes	All 86 complexes within Carrollton received a letter.	Letters	
1	1.2 Public Presentations	Presentations and Outreach Activities	10 presentations or outreach activities were conducted.	Presentations and outreach activities	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public to become more educated on stormwater issues through presentations and outreach activities. When citizens are educated in person on stormwater issues, they will be more

					likely to correct negative actions, reducing the amount of pollutants produced.
1	1.3 Promotional Items	Giveaways	942 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 123 SmartScape bookmarks and pamphlets distributed 1,512 Sessions with 73% new sessions on the SmartScape NTCGOG website.	Educational displays, bookmarks, and 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.	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

			638 restaurant inspections Three newsletters for industrial and commercial facilities were distributed in December 2019, March 2020, and June 2020.			correct negative actions, reducing the amount of pollutants produced.
		Industry education meeting	Annual Industry Meeting was held September 15, 2020.	Meeting		
1	1.6 Environmental Education for Construction Site Personnel	Construction Packet	18 Construction packets distributed 18 pre-construction meetings	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	104 placed markers	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		Cable channels	6 stormwater cable slides and PSAs	PSA videos		

1.8 Storm Water and Pollution Prevention Videos and Public Service Announcements	List of Videos	3 new videos were acquired during this reporting period. These videos cover lawn and care, litter control, and proper pool disposal. 7 posted educational videos: • Lawn Clipping Disposal • Paint Disposal • Washing Your Vehicle • Water Conservation • Storm Water Pollution (High School Students) • Freddy the Fish (Children) • Yard Trimmings	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.
1.9 TCEQ FOG Initiative	TCEQ Grease posters Letter to apartment managers	TCEQ Grease posters were given to all new food establishments applying for a food permit via a folder with other pertinent information in this report period. They are also redistributed during routine inspections as needed. 86 letters were mailed to apartment managers.	Posters Letters	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public, food establishments, and apartments to become educated on how to reduce fats, oils, and grease in the sanitary sewer system through letters to apartments, inspections, brochures, articles, and outreach events. When the public is educated on proper handling of fats,

1	1.10 Household Hazardous Waste Site	Food Establishment Inspections	638 food establishment inspections	Inspections	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.
		Apartment residents	2,000 Grease control flyers were distributed in September 2020 to all multi-family complexes.	FOG control brochures	
		Industries	0 industries were identified as needing flyers during this reporting period.	Grease control information	
		Articles	3 articles on grease control appeared in various news media 10 times, these included the city newsletter, city website, Facebook, Twitter, and Netbill.	Articles	
		Website	Grease control information is available on the website at the following link: http://www.cityofcarrollton.com/departments/departments-g-p/public-works/fat-free-sewers	Grease control information	
		Presentations and Outreach events	10 presentations or educational events.	Presentations and outreach events	
		Bill Insert	1 article/newsletter was developed.	Article	
		Household Hazardous waste bill insert	1 household hazardous article ran in the December 2019 edition of the On the Horizon.	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.

1	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	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.
1.11 Pet Waste Education	Website Pet Owners Requirements Pet waste bookmarks Pet waste bags	Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-a-f/animals-services/animal-ordinances 335 Animal Ownership brochures 100 bookmarks 45 Pet waste containers with bags	Website Brochures Bookmarks Pet waste bags	
	Pet Waste	52 educational signs and 25 pet waste stations were maintained at the following locations: Mary Heads Carter (2) Clifford Hall (1) Harvest Run (2) Harold Bessie (1) Oak Creek (1) Josey Ranch Library (1)	Signs and pet waste stations	

				Rosemeade Dog Park (5) McInnish Dog Park (9) Downtown Regional Detention Pond (3)			
1	1.12 Environmental Services Website	Environmental Services Website	Environmental Services Website	The website is updated as needed. http://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services .	Website information	No, This BMP poses as an indirect reduction of pollutants. Posting the Stormwater Management Plan and annual reports on the City of Carrollton webpage allows the public to view and comment on steps the city is taking to reduce pollution to the maximum extent practicable. The stormwater website provided various information on reducing pollutants to residents, businesses, and more.	
			SWMP Posted	The SWMP 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.	Website		
			Annual Reports	Annual report for year 1, December 2018 – September 2019. Was posted on the City of Carrollton webpage on January 2, 2020. Annual reports will be posted on webpage within 30 days after due date of each of the 5 annual reports.	Website		
1	1.13 Electronic Newsletter for City Employees	City Employees	City Employees	3 newsletters	Newsletters	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for city employees to become educated on stormwater pollution and how it is preventable in the workplace. When city employees are educated on stormwater issues, they will be more likely to correct negative actions, reducing the amount of pollutants discharged.	

1	1.14 Environmental Education for Schools.	Schools	The city's Water/Environmental education programs was emailed to CFBISD and LISD twice during this reporting period.	Stormwater Education program flyer	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the city to promote stormwater education programs to teachers. When students are educated on stormwater issues, they will be more likely to correct negative actions and encourage their parents to do the same, reducing the amount of pollutants produced.
1	1.15 Comply with State and Local Public Notice Requirements	Public notice	The new 2019-2024 permit has not been approved by TCEQ. The 2019 – 2024 permit states this item must be complete in year 1-2 as determined by TCEQ.	Public notice published	No, This BMP does not reduce the amount of pollutants that enter the waters of Texas but allows residents to comment on the city's Stormwater Management Plan.
		Public Meeting	The new 2019-2024 permit has not been approved by TCEQ. Once they approve the NOI and SWMP, this item will be completed in year 1-2 as determined by TCEQ.	Meeting	
1	1.16 Presentation of SWMP	Presentation	The new 2019-2024 permit has not been approved by TCEQ. 90 days after TCEQ's approval of SWMP.	Presentation	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for citizens to become educated on the stormwater program and the steps the city is taking to reduce stormwater pollution to the maximum extent practical.
		Presentation	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	Presentation	
1	1.17	Hotlines	Non-emergency reporting line: 972-466-3333	Phone line	Yes – This provided a medium for the public to report discharges that the city may not have discovered. Citizens were

	Illicit Discharge Reporting Line		Environmental Services: 972-466-3060 Pump Station: 972-466-3425		active in reporting lawn companies blowing grass clippings and leaves into the street or storm inlet, drained pool water discharges, and other illicit discharges.
1	1.18 Volunteer Creek and Greenbelt Cleanup, Recycling, and Chemical Collection	Trash Clean-up and Recycling Events	19 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot programs on 71 different days and collected 178.5 bags of trash. 2 new Adopt-A-Spot groups joined the program for a total of 15 adopted locations. 1 Drug Take Back event collected 39 boxes containing 712 lbs. of materials. 1 Grease the event collected 453.75 gallons.	Volunteer Records, Cooking and 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 storm water system. The medication and grease events provided disposal or recycling methods, keeping this waste out of the sanitary sewer system, landfills, and waterways.
		Volunteer programs	2 litter reduction programs Adopt-A-Spot and Waterway Clean-up. These opportunities are posted on JustServe (https://www.justserve.org/projects) and the city webpage (https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/volunteer-opportunities).	Stormwater volunteer programs website	
1	1.19	Meeting	Stormwater Advisory Committee Meeting was held August 12, 2020.	Meeting	No, This BMP poses as an indirect reduction of pollutants. The stormwater advisory committee utilizes members of

	Citizens Advisory Committee	Topic selected	2 educational topics selected: Landscaping Debris and Household Hazardous Waste program.	Educational topic	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.
		Education materials	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.	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	
2	2.1 Storm Sewer System Map	Verification of new outfalls	Total of 1,239 outfalls.	Outfalls	Yes, This BMP poses as a direct reduction of pollutants. Keeping the stormwater map up to date allowed the on-call person to respond to and remediate spills and discharges at a quicker rate.
		Updated Map	IT updated the maps as new data was obtained. 2 new inlets were verified in this time frame	Maps	
2	2.2 Storm Water Pollution Prevention Ordinance and Enforcement Response Guide	Ordinance revisions	Ordinance revisions were complete on September 11, 2020 and will go to council for adoption on January 12, 2021.	Ordinance Revisions	Yes and no, This BMP poses as a direct and indirect reduction of pollutants. Reviewing and updating the city ordinance allows the city to stay current with new stormwater regulations. An ordinance allowed the city to prohibit stormwater pollution and require remediation when appropriate.
		Adopted by Council	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2021.	Council meeting	
		ERP	Enforcement Response Guide/SOP was continually implemented.	ERP and SOP	
2	2.3 Spill Response	Complaints and Inspections	142 spills or discharges were responded to.	Inspections	Yes – Since spills do not just occur during office hours it is imperative to have a staff member available all the

		Spill Response Manual	Spill Response Manual was updated in August, September, and October 2020.	Manual updates	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.	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	23 reported illegal dumping incidents	Inspections	Yes – This is a direct reduction in pollution. The city responded to all reports of illegal dumping and ensured that all valid cases were remediated.
		Abated Incidents	23 cases were investigated in this reporting period. 10 of these cases were found to be valid and were abated.	Inspections	
		Enforcement	100% of the illegal dumping cases where there was an identifiable party was followed up by an enforcement action.	Inspections	
2	2.7 Liquid Waste Hauler Permitting inspections	Liquid Waste Hauler Permitting inspections	Permitted 78 trucks.	Inspections	Yes – This established a direct contact and monitoring for liquid waste generators and disposers. Liquid waste

2	Liquid Waste Program	Liquid Waste Hauler to submit tickets	Trip tickets were required to be submitted monthly. Enforcement actions were initiated when identified as not being completed. 1 NOV was issued for either not having a permit or not filling out/submitting trip tickets properly.	Trip Tickets	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.
		Facilities with liquid waste hauler	Trip tickets were reviewed during each routine inspection.	Trip tickets	
		Inventory of septic system	2 septic systems were filled in during this permit term. 9 Septic systems remain within Carrollton	Inventory	
		SOP for septic systems (to prevent and correct any leaking on-site sewage disposal system)	SOP was maintained.	SOP	
2.8	Maintenance Program for Sanitary Sewers	Sewer Maintenance	Maintenance and inspections continued during this reporting period.	Inspections	Yes – The regular cleaning and maintenance of the sanitary sewer system reduced and prevented sanitary sewer overflows.
		Miles of sewer lines to clean	57.35 miles of the required 53.72 miles were cleaned during this reporting period.	Miles cleaned	
		Smoke and Dye testing	Due to COVID-19 smoke and dye testing was not completed.	Miles Tested	
		Closed-circuit television inspections	25,381 feet were TV'd during this reporting period.	Feet inspected	

		Manhole inspections	2,212 manholes were inspected during this reporting period.	Inspections	
		Repaired manholes	311 have been repaired in this reporting period.	Repairs	
		Lift station inspections	988 inspections have been completed at the 19 sewer lift stations during this reporting period.	Inspections	
		High-Risk section of sanitary sewer	The 9 sites listed on the 30-day list were cleaned monthly.	30-day List	
2	2.9 Pet Waste Management	Pet Waste Complaints	Received 16 complaints and all were investigated.	Inspections	Yes – This required pet owners to clean-up their pet's waste. City staff responded to and investigated all complaints.
2	2.10 Dry Weather Discharge Screening	Training	Five (5) employees attended the basic dry weather screening training.	Training certificates	Yes – This was a concrete way to detect and eliminate illicit discharges. Dry weather screening was performed twice at the 62 selected outfalls for a total of 248 screenings during this reporting period.
		Outfall selections	72 outfalls were selected to be monitored for this permit term on September 17, 2020(70 new locations were chosen for 2021 and 2 locations remained the same for 2021).	Outfall selections	
		Dry weather Manual Review	Review will be completed by January 24, 2020	SOP Review	
		Dry Weather Field Screening	Dry weather screening was conducted in February-March 2020 and June of 2020.	Monitoring	
		Implementation	Implementation of all BMP is complete	Implemented	
2	2.11	Household Hazardous Waste	177,617 pounds of material was collected and disposed of through this program.	Pounds disposed	Yes – This program allowed residents to dispose of their household hazardous

	Household Hazardous Waste Program	Program for Residents			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.	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	1,197 trash and debris cases were investigated, 526 cases were found to be valid. Letters were mailed to the 526 residents and business to remediate the violation.	Inspections	Yes – This program helps reduce the amount of floatables through NOV's, inspections, and trash and debris removals or clean-ups.
		Food Inspections	638 inspections were conducted at food establishments during this reporting period.	Inspections	
		Waterway clean-up & Adopt-A-Spot	178.5 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	3,397 inlets were inspected in this reporting period.	Inspections	
				Amount of Trash	Locations
3	3.1	9000 pieces of trash removal	16,436 pieces of trash were collected in this reporting period.		
		Structural controls	2 structural controls One structural control is already in place at Josey Ranch Lake. This control collected 143 lbs. of trash and debris before it reached waterways. A second structural control will be placed in the pond off Eisenhower and Parkwood. Netting will be placed over the inlet to capture any floatables.		
		Install structural control	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022. One structural control is already in place – a net at Josey Ranch Lake.	Installed devices	
		Maintenance structural control	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023. 143 lbs. of paper and plastic was collected from Josey Ranch lake structural control.	Monthly Maintenance records and pounds of trash and debris removed	
		Ordinance	The city continued to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution	Ordinance	Yes, This BMP poses as a direct reduction of pollutants. Implementing the Stormwater and Flood Protection,

	Ordinance for Construction Site Erosion and Sediment Controls and Enforcement	ERP	Prevention Ordinance, and the Enforcement Response Guide.	ERP	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 Stormwater Pollution Prevention Plan (SWPPP) and Submission of NOI/CSN	Construction SOP and SWPPP submittals	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022. 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.	ERP SOP	No, This BMP poses as an indirect reducer of pollutants. Maintaining this SOP ensured all construction sites had a SWPPP for their site.
3	3.3 Construction Site Inspection	Construction Site inspection SOP Construction site Inspections	SOP was maintained and followed for site inspection and enforcement requirements. 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. Due to a new software system, Cityview, inspection reports were not included in the system. However, they were inspecting and documenting deficiencies.	SOP Inspections	Yes – This ensured that each site had a SWPPP and storm water BMP's were installed and maintained.

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 Storm Water Information Package for Construction Site Operators	Construction Educational Packet	18 preconstruction meetings 18 educational packets	Information packets	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.
3	3-6 Preconstruction Meetings	Preconstruction Meetings	18 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	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	The city continued to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects.	Ordinance	Yes - This BMP poses as a direct reduction of pollutants. Implementing the Stormwater and Flood Protection Ordinance, General design standards, and the ERP gives city employees a guideline for regulating stormwater standards in Carrollton and requiring structural controls.
		General Design Review	The General design standards was reviewed and updated in January 2020.	General Design standards	
		ERP Review	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	ERP	
4	4-2 Long-Term Operation and Maintenance Plan for Structural BMPs	List of structural BMPs Maintenance Plan Receipt	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.	List of structural BMPs SOP	Yes - This BMP poses as a direct reduction of pollutants. Inspections ensure structural BMPs are functioning properly or require deficiencies to be repaired.

		Structural BMP Inspections	11 post-construction structural controls were inspected in this reporting period.	Inspections	
4	4-3 Construction Site Plan Review	Site plan review	Site plan review was performed on 100% of new and redeveloped projects.	SOP	No - This BMP poses as an indirect reduction of pollutants. Maintaining and following the site plan review SOP ensures stormwater controls are in place and have been reviewed by city staff.
		SOP	SOP for Construction Site Plan Review was maintained and followed	SOP	
4	4.4 Green Space Preservation	Ordinance	The green space preservation policies applied to 100% of new projects in this reporting term.	Ordinance	Yes - This BMP poses as a direct reduction of pollutants. Maintaining and implementing the green space preservation policy ensures that these new construction sites will re-dedicate green spaces at new/ redeveloped sites. Green spaces act as a natural erosion control.
4	4-5 Tree Preservation Ordinance	Ordinance	The Tree Preservation Ordinance continued to be implemented in this reporting period	Ordinance	Yes - This BMP poses as a direct reduction of pollutants. Maintaining and implementing the tree preservation ordinance provides small but essential green spaces that break up impervious surfaces and provides runoff filtration. Trees act as a natural erosion control.
4	4.6 Inspection of Structural BMPs during Construction	Construction Structural Control BMP Inspections	See Section 3.3 Construction Site Inspection.	Inspections	Yes - This BMP poses as a direct reduction of pollutants. Ensuring structural BMPs are installed properly causes a reduction of pollutants.
4	4.7	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

5	Limited Mowing Height	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 143 lbs. of paper and plastic items in this reporting period.	Schedule and yard waste maintenance	additional infiltration, reducing runoff, and trapping some floatables.
	5.1 Parks and Open Space Maintenance	Buffer no mow zones	16 buffer and no mow zones to help with erosion and pollutant removal.	Buffer zones	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.
		Landscaping native special & mowing restrictions	Parks purchased a wildflower mix on September 18, 2020 which continued the implementation of native species landscaping. Mowing height restrictions continued at 2.5 inches.	Purchase records	
		Chemical applications	A schedule for chemical application on all public spaces was maintained and implemented.	Schedule	
		Pollutants of Concern	A list of pollutants of concern from mowing, chemical application, and planting vegetation was maintained.	List of pollutants	
		IPMP Plan for pesticides and fertilizers	The Integrated Pest Management Plans continued to be implemented for Animal Services and Parks and Recreation.	IPMP Plan	
		Disposal for Chemicals	The SOP was maintained and followed.	SOP	

		Licensed Pesticide Applicators and Irrigators	13 Licensed Pesticide Applicators (Parks 7, Animal Services 2, ICGC 3, Development Services 1) 1 Licensed Irrigator and 2 Technicians (Parks 2 Technicians, Development Services – 1 Licensed Irrigator).	Licenses	
5	5.2 Road and Bridge Maintenance	Street sweepings	2409.86 curb miles were swept.	Sweeping records	Yes – The city directly removed various pollutants from roadways and ditches. Major arterials and selected city parking lots were swept monthly. Crews also removed trash from the roadways and ditches during this reporting period.
		Street sweeping SOP	The SOP for street sweeping waste material disposal was maintained. Verification of disposal methods will be completed by January 24, 2022.	Contracts	
		Trash removal	16,436 pieces of trash were collected in this reporting period.	Amount of trash removed	
		Road and Bridge Repair SOP	The erosion and pollution prevention guidelines from road and bridge repair operations were maintained and followed.	SOP	
		Pollutants of concern	List of Pollutants of concern from road and bridge maintenance was maintained.	List of pollutants	
		Fleet Inspections & SPCC	Inspections at maintenance and fueling facilities continued.	Inspections	
5	5.3 Fleet Maintenance	SOP for maintenance facilities	The SOPs for each of the three maintenance facilities were maintained.	SOPs	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	City vehicles and equipment were washed at the wash bays or a contracted commercial facility.	SOPs	
	Vehicle Washing SOP	The SOP for vehicle and equipment washing was maintained.	SOPs	
	Sand Trap Servicing and Leaking Vehicle BMPs	Traps were serviced as required, wash bays are under cover, spill response and pollution prevention plans were continued, spill kits and signs were maintained, the plan to address leaks from vehicles during normal use by a city employee continued.	Trip Tickets and forms	
	Parts & Materials Storage	Fleet stores all materials under cover or inside the building except repaired vehicles and vehicles to be repaired. Recycling continued for used oil, antifreeze, oil filters, used tires, batteries, cardboard, spent solvent, and scrap metal.	SOPs	
	Leaking vehicle form	Forms continued to be signed by all employees during New Employee Orientation (NEO).	Leaking vehicle forms	
	Inspection Central Service Center and Public Works Yard	The annual inspection was completed on February 27, 2020.	Inspections	
	Indian Creek Golf Course Quarterly Inspections	Inspections were performed quarterly.	Inspections	
5	SPCC	SPCC and the pollution prevention plan continued to be implemented. Waste	SPCC	

Municipal Buildings and Parking Lots Maintenance		reduction and recycling options continued for office materials at city facilities.		Yes – This reduced the impact the city had on the environment during building and parking lot maintenance.
	Municipal building, and parking lot inspections	Municipal buildings, parking lots and the public works yard were inspected in this fiscal year.	Inspections	
	Spill Response	The spill response manual was reviewed in this permit term.	SOP	
5-5 Storm Sewer System Maintenance	Pollutants of Concern	A List of pollutants of concern from municipal building and parking lots maintenance has been maintained.	List of Pollutants	
	Channel Inspections	During this reporting period 100% of the city-maintained channels were inspected. 3,397 inlets were inspected.	Inspections	Yes – Routine inspections helped determine if there were problems with the storm water 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	The city continued to recycle all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations this reporting period.	Recycling certificate	Yes – Recycling of batteries and computer equipment reduced the impact that these items would have had on the environment. The program continued and items were recycled when enough material was collected.
		Procedures	Procedures are in place and continue to be implemented to collect and recycle batteries from deployed equipment including cell phones, two-way radios, and uninterruptible power supply.	SOP	
5	5.7 Grease, Sand and Grit Trap Maintenance	Cleaning of traps	All city traps/interceptors are being pumped in accordance with the city ordinance or variance approval through Environmental Services.	Trip Ticket records	Yes – Maintaining the grease/grit traps helped prevent SSO's from city facilities.
5	5.8 Sand Storage Locations	Salt and Deicer SOP	850 gallons of liquid deicer was used in this reporting period.	Amount of Deicer used	Yes – Proper storage, application, and cleanup prevented unnecessary pollution during icy conditions.
		MSDS for Salt and Deicer	SDSs were maintained on site.	SDS Records	
		Controls for Sand and Salt	Controls were in place for sand, salt, and liquid deicer.	SOP	
		Pollutants of Concern	List of pollutants of concern from the three materials used was maintained.	List of pollutants	
		Public Works SOP	Written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP were included in the SOP for the Public Works yard.	SOP	

5		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	Sand, Salt, and Liquid Deicer Control Inspections	Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.	Inspections	Yes – Through inspections and best management practices (BMPs) the amount of pollution from city facilities was reduced, especially at high priority facilities.
		City Facility Inventory	An inventory of city owned facilities was maintained.	Inventory	
		Maps of city owned facilities	A map of city owned facilities & other stormwater controls was maintained.	City map	
		Assessment of high priority facilities	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022.	Inspections	
		High Priority Facilities	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022.	Inspections	
		Facility Specific SOP Review	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.	SOP	
		SOP for New High Priority Facilities	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.	SOP	
		High Priority inspections	All 9 high priority facilities were inspected during this reporting period.	Inspections	
		Inventory	Inventory of structural controls was maintained.	Inventory list	
5	5.10	Inventory	Inventory of structural controls was maintained.	Inventory list	Yes – Maintaining city owned and operated structural controls reduced pollutants in creeks from city facilities.

	Structural Control Maintenance and Waste Disposal	Inspections	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	Inspections	
5	5-11 New Construction and Land Disturbance	TPDES Construction General Permit	The city complied with TPDES construction permit requirements for those projects that were applicable.	SWPPP TPDES construction general permit	Yes, this acted as a direct reduction of pollutants. Requiring construction sites and contractors to follow the TPDES construction general permit reduces pollutants from construction sites.
		Comply with Requirements	Contractors were required to comply with the TPDES construction permit requirements.	SWPPP Ordinance and TPDES construction general permit	
5	5-12 Contractor Oversight Procedures	List of contractors	List of contractors was maintained.	List of contractors	Yes, This BMP poses as a direct reduction of pollutants. Maintaining a list of contractors and conducting oversite inspections ensured contractors complied with the stormwater ordinance, good housekeeping practices, and facility- specific SOPs.
		Contractually require Stormwater Compliance	Contractors were required to comply with stormwater control measures, good housekeeping practices, and facility- specific SOPs.	Contract Wording	
		Oversite protocol	Oversite procedures continued during this reporting period.	Inspections	
5	5-13 Fire Fighting Training Activities	BMPs for firefighting training	Fire Department continued to implement BMPs during training activities.	SOP	Yes - This reduced pollutants, chlorine and other chemicals, from being discharged into the storm drain or creek during training activities.
5	5-14 Employee Storm Water Pollution	NCTCOG Pollution Prevention Taskforce	Staff attended the NCTCOG Pollution Prevention Task Force Meetings and participated in developing training materials. There were two meetings this reporting period: November 6, 2019 & July 1, 2020.	Meeting sign in sheets	Yes - The city continued to participate in the NCTCOG Pollution Prevention Task Force. This task force helps the city develop new training and education materials for city employees and citizens.

	Prevention Training Program	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.	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	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2021.	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 new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.	Inspections	
		Develop plan for retrofitting	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	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 continued to be designed, constructed, and maintained to provide erosion prevention ad pollutant removal from stormwater.	SOPs	

6	6.1 Inspection of Industrial Facilities	Inspect industrial facilities	During this reporting period the city conducted 139 inspections at industries.	Inspections	Yes – Inspections provide direct observations and contact for potential or actual discharges with the industries in the city. Inspections required corrective actions and follow-ups for violations seen.
		NPDES TPDES MSGP Compliance	Industries have been identified and required to obtain coverage under the MSGP during inspections. The waste survey is done every 3 years.	Surveys and Inspections	
6	6.2 Inventory/ Inspection of Commercial Facilities	Inventory	An inventory of grease/grit traps has been maintained.	Inventory list	Yes – Provided direct contact and inspections to look for potential or actual discharges with the commercial businesses in the city (some commercial facilities, food establishments, and grit and grease traps).
		Food establishment grease trap	The city performed 638 inspections at food establishments this reporting period.	Inspections	
		Commercial Inspections	The city inspected 29 commercial facilities during this reporting period.	Inspections	
		Grease/ grit trap inspections	All 588 grease/grit traps have been inspected during this reporting period.	Inspections	
		Implementation	BMP Implemented	Complete	

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

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
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1.1 Storm Water Reading Materials	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. 3. Continue to update and distribute the storm water letters to all apartment managers currently in the database.	Exceeded Goal – In this reporting period the city distributed 952 brochures and educational materials from display racks and educational events. Employees investigated 2,272 cases on proper disposal of grass clippings and 1,197 regarding trash and debris. Exceeded Goal – In this reporting period sixteen (16) articles appeared 57 times in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill throughout this reporting period. Met Goal – The stormwater letters were mailed to apartment complexes or managers. Each of the 86 complexes within Carrollton received a letter.
1.2 Public Presentations	1. Four presentations or outreach activities per year.	Exceeded Goal – Conducted 10 presentations or outreach activities in this reporting period.
1.3 Promotional Items	1. Distribute 200 promotional items per year.	Exceeded Goal – During this reporting period staff distributed 942 promotional items.

1.4 Annual "March is Texas SmartScape™ Month"	1. Determine a level of participation in the regional "March is Texas SmartScape™ Month" program based on available resources and select an outreach activity to conduct. Complete coordination with NCTCOG annually and conduct the selected activity(ies) annually in March. Repeat each year.	Met Goal – In February 2020, the city ran an article in the One 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. The SmartScape display window was up for the entire month of March at the Hebron & Josey Library. However due to COVID all libraries were closed starting March 13, 2020 to May 4, 2020. During the time, libraries were open staff distributed 123 SmartScape bookmarks and pamphlets. According to NCTCOG, Carrollton had 1,512 Sessions with 73% new sessions on the SmartScape website.
1.5 Environmental Education for Commercial and Industrial Facilities	1. Twice a year, develop educational items related to pollution prevention for industrial and commercial facilities. Ensure 100% of applicable food establishments have applicable posters.	Exceeded 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. However, due to COVID-19 22 food establishments were not inspected in this reporting period as some establishments restricted access to outside visitors to protect the young or elderly clients. Three newsletters for industrial and commercial facilities were developed and distributed in December 2019, March 2020, and June 2020.
	2. Hold annual industry meeting.	Met Goal – The annual industry meeting was held on September 15, 2020.
1.6 Environmental Education for Construction Site Personnel	1. Distribute information packet to 100% of applicants for a grading or building permit.	Met Goal – Distributed stormwater information during preconstruction meetings.

1.7	Storm Drain Marking	1. Placement or replacement of 100 markers per year.	Exceeded Goal – City employees placed 104 markers in this reporting period.
1.8	Storm Water and Pollution Prevention Videos and Public Service Announcements	1. Continue broadcast of Storm Water Management video or PSA's on local cable public access channel and on the storm water 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.	Goal Not Met – Due to a city-wide cyberattack the stormwater cable slides, and PSAs have been down since October 10, 2019. The cable channel is being re-built and continues to be down. The City of Carrollton website was down from October 10, 2019 to October 31, 2019. For the first 10 days of the reporting period the stormwater cable slides and PSAs ran every day on the local cable channel. The PSAs ran every day at 6:45pm. Stormwater videos are posted on the storm water web page. Met Goal – 3 new videos were acquired during this reporting period. Met Goal – A library of videos is available and posted on the stormwater website. Due to a city-wide cyberattack the City of Carrollton website was down from October 10, 2019 to October 31, 2019. https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/storm-water-videos
1.9	TCEQ FOG Initiative	1. Distribute a TCEQ Grease poster to every new and existing restaurant currently in database listed as having a grease trap at least once a year. 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.	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. Goal Not Met – Educational letters have been distributed to all 86 apartment managers in conjunction with their annual inspection notice in this reporting period. Goal Not Met – This was checked during each routine inspection for applicable establishments and documented on the inspection sheet. New posters were distributed as needed. Due to COVID-19, some establishments did not have routine inspections due to restricted access for susceptible populations. Met Goal – 2,000 Grease control flyers were distributed in September 2020 to all multi-family complexes. Met Goal – No industries were identified as needing flyers during this reporting period.

	6. Grease control information provided in water bills, the city newsletter or on social media three times a year.	Met Goal – 3 articles on grease control appeared in various news media 10 times, these included the city newsletter, city website, Facebook, Twitter, and Netbill. Due to a city-wide cyberattack the grease control/ recycling cable slides, and PSAs have been down since October 10, 2019. For the first 10 days of the reporting period the grease control/ recycling cable slides and PSAs ran every day on the local cable channel. The PSAs ran every day at 6:45pm. The cable channel is being re-built and continues to be down.
	7. Information posted on the city website every day of the year.	Goal Not 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 . Due to a city-wide cyberattack the City of Carrollton website was down from October 10, 2019 to October 31, 2019.
	8. Three presentations or outreach activities per year.	Exceeded Goal – 10 presentations or educational events were conducted during this reporting period.
1.10	1. Develop one mailer or water bill insert per year.	Met Goal – One article/newsletter was developed and ran in December 2019 On the Horizon Newsletter.
Household Hazardous Waste Site	2. Distribute mailer or water bill insert yearly.	Met Goal – The household hazardous waste article ran in the December 2019 edition of the On the Horizon newsletter.
	3. Post information on the web page every day of the year.	Goal Not Met – Posted on the web page at: https://www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste . Due to a city-wide cyberattack the City of Carrollton website was down from October 10, 2019 to October 31, 2019.
1.11	1. Distribute to all residents adopting or reclaiming a pet, at presentations, and public events. Post information on the website.	Met Goal – The following educational items were distributed at Animal Services and public events/presentations: bookmarks – 100; Pet waste containers with bags – 45; Animal Ownership brochures – 335. Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-a-f/animals-services/animal-ordinances Due to a city-wide cyberattack the City of Carrollton website was down from October 10, 2019 to October 31, 2019.
Pet Waste Education		

	2. Maintain 52 signs and 25 pet waste stations at the dog parks and greenbelts/trails as needed.	Met Goal – 52 Signs and 25 pet waste stations were maintained. The locations for pet waste stations were Mary Heads Carter(2), Clifford Hall (1), Harvest run (2), Harold Bessire (1), Oak Creek (1), Josey Ranch Library (1), Rosemeade Dog Park (5), McInnish Dog Park (9), and Downtown Regional Detention Pond(3).
1.12 Environmental Services Website	1. Information posted on the webpage will be available every day of the year. 2. SWMP posted on the web page. 3. Annual reports posted on the webpage.	Goal Not Met – the website is updated as needed. http://www.cityofcarrollton.com/departments/departments-aff/environmental-quality-services. Due to a city-wide cyberattack the City of Carrollton website was down from October 10, 2019 to October 31, 2019. On Track – The approved SWMP draft is currently posted on the City of Carrollton web page. The SWMP will be posted on webpage within 30 days of SWMP approval date. Met Goal – Annual report for year 1, December 2018 – September 2019 was posted on the City of Carrollton Stormwater webpage on January 2, 2020. Annual reports will be posted on webpage within 30 days after due date of each of the 5 annual reports.
1.13 Electronic Newsletter for City Employees	1. Distribution of two electronic newsletters per year.	Exceeded Goal – During this reporting period three newsletters were developed and distributed in January 2020, March 2020, and April 2020.
1.14 Environmental Educational Schools.	1. Develop and distribute list of programs available to schools yearly.	Exceeded Goal – The information packet on the Water/Environmental education programs was emailed to CFBISD and LISD in January 2020 and July 2020.

1.15 Comply with State and Local Public Notice Requirements	1. Publish notice of TCEQ determination on NOI and SWMP. 2. Publish notice of Public Meeting if determined to be necessary by TCEQ.	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 in year 1-2 as determined by TCEQ.
1.16 Presentation of SWMP	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 5 th year of the permit term to update/evaluate SWMP for the next permit term.	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.
1.17 Illicit Discharge Reporting Line	1. The "hotline" to report illicit discharge is available every day of the year.	 period. Due to a city-wide cyberattack the City of Carrollton phone lines were down from October 10, 2019 to October 15, 2019. However, the non-emergency and dispatch lines were not affected.
	1. City hosts one annual creek clean-up, recycling day, or chemical collection day.	Exceeded Goal – In this reporting period: Creek clean-ups had 19 volunteers/volunteer groups pick up trash on 71 different days and collect 178.5 bags of trash; the Adopt-A-Spot program had 2 new locations adopted for a total of 15 adopted locations. Staff participated in 1 drug take back collection event on October 26, 2019 and collected 39 boxes containing 712 lbs. of materials. The city hosted the Cease the Grease event on December 2 and 3, 2019 and collected 453.75 gallons of oil.

1.18 Volunteer Creek and Greenbelt Cleanup, Recycling and Chemical Collection	2. Provide volunteers opportunities to reduce litter in waterways and greenbelts.	Met Goal – The city offers two litter reduction programs Adopt-A-Spot and Waterway Clean Up. These opportunities are posted on JustServe (https://www.justserve.org/projects) and the city webpage (https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/volunteer-opportunities). Due to a city-wide cyberattack the City of Carrollton website was down from October 10, 2019 to October 31, 2019. Due to COVID-19 volunteer programs were placed on hold from March 2020 to October 2020.
1.19 Citizens Advisory Committee	1. Annual meetings with Citizen Advisory Committee. 2. Select Stormwater topic 3. Develop Educational Materials 4. Distribute to Residents	Met Goal – Completed August 12, 2020. Met Goal – This permit term the committee selected two outreach topics: Landscaping Debris and Household Hazardous Waste Program. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.
2.1 Storm Sewer System Map	1. Verification of new or newly discovered outfalls. 2. Map continuously updated as new data is obtained.	Met Goal – total of 1,239 outfalls. Met Goal – IT updated the maps as new data is obtained. 2 new inlets were verified in this time frame
2.2 Storm Water Pollution Prevention Ordinance and Enforcement Response Guide	1 Review and revise (if needed) the Storm Water Pollution Prevention Ordinance once during the permit term. 2. Adoption of ordinance by City Council, as needed. 3. Continue to implement the Enforcement Response Guide/SOP.	Ordinance revisions were complete on September 11, 2020 and will go to Council for adoption on January 12, 2021. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2021. 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 148 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 Illicit Discharge Reporting Line	1. This BMP has been discussed in a previous section on the Public Participation and Involvement Minimum Control Measure, as BMP 1.17. Achievements in this reporting period are described in said section.	Met Goal – See BMP 1.17
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.
2.6 Illegal Dumping	1. 90% active illegal dumping incidents respond within one hour. 2. 100% abatement of illegal dumping incidents.	Met Goal – There were 23 illegal dumping incidents. All active illegal dumping cases were responded to within an hour.
	3. 100% incidents with identifiable responsible party to be followed by enforcement action.	Met Goal – 10 out of the 23 cases during this reporting period have been abated. The other 13 cases were found invalid.
2.7 Liquid Waste Program	1. 100% permitted liquid waste haulers inspected once a year. 2. 100% permitted liquid waste haulers to submit used tickets monthly.	Met Goal – Permitted 78 trucks.
	3. 100% identified facilities to use a permitted liquid waste hauler.	Met Goal – Trip tickets were required to be submitted monthly. Enforcement actions were initiated when identified as not being completed. 1 NOV was issued for either not having a permit or not filling out/submitted trip tickets properly.
	4. Review and update if necessary, the inventory of septic tanks in the city once per term.	Met Goal – Trip tickets are reviewed during each routine inspection.
	5. Maintain the SOP to prevent and correct any leaking on-site sewage disposal system.	On Track - This item is not due until January 24, 2020.
2.8 Maintenance Program for	1. Annual maintenance and inspection of the sanitary sewer system.	Met Goal – SOP was maintained.
		Goal Not Met – Due to COVID-19 many of the sewer maintenance program activities were put on hold, except during emergencies, to protect the employees from March 20 th -August 25 th in accordance with the County and State shutdowns and spikes in cases.

Sanitary Sewers	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 – 57.35 miles of the required 53.72 miles were cleaned during this reporting period.
	3. Smoke and dye testing of 100,000 feet per year.	Goal Not Met – This activity was not started. Due to COVID-19 much of the sewer maintenance program activities were put on hold, except during emergencies, to protect the employees from March 20 th -August 25 th in accordance with the County and State shutdowns and spikes in cases. The activities that were not met during this reporting cycle will be completed over the next 4 years of the 5-year SSO Agreement term.
	4. Conduct closed-circuit television inspections of 100,000 feet per year.	Goal Not Met – 25,381 feet were TV'd during this reporting period. Due to COVID-19 much of the sewer maintenance program activities were put on hold, except during emergencies, to protect the employees from March 20 th -August 25 th in accordance with the County and State shutdowns and spikes in cases. The activities that were not met during this reporting cycle will be completed over the next 4 years of the 5-year SSO Agreement term.
	5. Inspect 2,100 manholes per year.	Exceeded Goal – 2,212 manholes were inspected during this reporting period.
	6. Repair and/or bring to grade 300 manholes per year.	Exceeded Goal – 311 have been repaired in this reporting period.
	7. Lift stations inspected monthly.	Exceeded Goal – 988 inspections have been completed at the 19 sewer lift stations during this reporting period.
	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 was maintained every month.
	1. Investigate all (100%) complaints received regarding improper disposal of pet waste.	Met Goal – Received 16 complaints and all were investigated.
2.9 Pet Waste Management	1. All Environmental Quality full time employees or consultants will attend the NCTCOG regional dry	Met Goal – Five (5) employees attended the basic training on August 6, 2020. Carrollton also assisted in developing the course with NCTCOG and participated in presenting at this event.

Dry Weather Discharge Screening	weather screening protocol training at least once. Refreshers will be done as needed.	
	2. Determine the priority locations for screening and have a map of the areas.	Met Goal - Priority locations were chosen on September 17, 2020. 70 new locations were chosen. 2 locations remained the same. 72 outfalls total will be monitored this permit term.
	3. Review and revise the Dry Weather Field Screening Manual once during the permit term.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2021.
	4. Continue Dry Weather Field Screening at the priority locations.	Met Goal - Dry weather screening was conducted twice in this reporting period, once in February 2020 - March 2020, and once in June 2020.
	5. Implementation Complete.	Met Goal - BMP has been implemented.
2.11 Household Hazardous Waste Program	1. Provide a household hazardous waste disposal program for Carrollton residents.	Met Goal - Service was provided through Waste Management and Republic www.cityofcarrollton.com/departments-q-z/trash-recycling/household-hazardous-waste . In this reporting period, residents disposed of 177,617 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. Environmental Quality staff attended a training on water main breaks and SSO response on August 8, 2020 Fire Department had IDDE training in January 2020 and February 2020.
2.14 Floatables	1. Trash and debris letters mailed to all residents and businesses in violation of the ordinance.	Met Goal - In this reporting period 1,197 trash and debris cases were worked. 526 cases were valid, residents and business were sent letters to remediate the violation of the ordinance.

Goal Not Met – Dumpster and dumpster areas were inspected at the time of food establishment's inspection for those that were due in this reporting period. The city performed 638 inspections out of the 660 food establishments this reporting period. Due to the cyberattack some inspection documents have been lost. Due to COVID-19 some establishments did not have inspections, nursing homes and daycare facilities were not inspected during COVID-19 due to restricted access.	2. 100% of food establishment's dumpsters inspected for lids, drain plugs, and ground free of litter.	
Goal Met – Adopt-A-Spot and Waterway Clean-up programs were available during this reporting period. However, due to COVID-19 volunteer programs were placed on hold from March 30, 2020 to September 30, 2020. 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). The programs are also promoted at public events.	3. Waterway Cleanup Program and Adopt-A-Spot Volunteer Programs available all year.	
Goal Met – Trash was picked up by Parks per their schedule in the reporting period.	4. Parks picks up trash at least 200 days per year.	
Exceeded Goal – In this reporting period 3,397 inlets were inspected in this reporting period. 216 inlets were cleaned.	5. Inspect 3,154 storm inlets per year.	
Exceeded Goal – 16,436 pieces of trash were collected in this reporting period.	6. 9,000 pieces of trash collected from the roadways per year. Monthly trash removal from I-35.	
One structural control is already in place at Josey Ranch Lake. The second structural control was selected and will be located in the pond off Eisenhower and Parkwood. A netting will be placed over the inlet to capture any floatables.	7. Determine the locations and device for 2 structural controls.	

3-1 Ordinance for Construction Site Erosion and Sediment Controls and Enforcement			
	8. Install 2 structural controls.		The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022. One structural control is already in place – a net at Josey Ranch Lake. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023. The city-maintained the net at Josey Ranch monthly and collected 143 lbs. of paper and plastic items in this reporting period. Met Goal – The city continued to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022. 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.
	9. Maintain structural controls at least twice per year and determine amount removed.		
	1. Continue to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide. 2. Review the Stormwater and Flood Protection Ordinance and the Stormwater Pollution Prevention Ordinance once during the permit term. Revise if necessary.		

3-2 Plan Review for Stormwater Pollution Prevention Plan (SWPPP) and Submission of NOI/CSN	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.	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.
3-3 Construction Site Inspection	1. Maintain SOP for site inspection and enforcement requirements. 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.	Met Goal -- SOP was maintained for site inspection and enforcement requirements. 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. Due to a new software system, Cityview, inspection reports were not included in the system. However, they were inspecting and documenting deficiencies.
3-4 Response to Citizen Complaints	1. Maintain "hotline" for construction site concerns.	Met Goal -- The "hotline" has been maintained for receiving citizen complaints which is the city's main line or the appropriate department's line.
3-5 Storm Water Information Package for Construction Site Operators	1. Distribute the educational material described in 1.6 to all construction sites regardless of size applying for a grading or building permit through Engineering and Building Inspection.	Met Goal -- The information was distributed to all construction site operators at the preconstruction meetings during this reporting period.
3-6 Preconstruction Meetings	1. Conduct preconstruction meetings with all (100%) applicants that apply for a grading or building permit.	Met Goal -- Preconstruction meetings were held with all grading or building permit applicants during this reporting period.

3.7 Employee Training	1. Train all employees responsible for the implementation of the construction stormwater program.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.
3.8 Construction Site Inventory	1. Inventory of all permitted active public and private construction sites 1 acre or part of a larger common plan of development.	Met Goal – Development Services and Engineering maintained an inventory of their active construction sites.
4.1 Stormwater and Flood Protection Ordinance and General Design Standards	1. Continue to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects.	Met Goal – The city continued to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects.
	2. Yearly review of the General Design Standards.	Met Goal – The General design standards was reviewed and updated in January 2020.
	3. Review the ERG once during the permit term. Update if needed.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.
4.2 Long-Term Operation and Maintenance Plan for Structural BMPs	1. Maintain a list of all Structural BMP's to be inspected.	Met Goal – A list of structural BMP's to be inspected was maintained.
	2. Receipt of Maintenance Plan for structural controls installed on a site or filed as required in the deed for the property.	Met Goal - The city continued to implement procedures and methods to ensure the long-term maintenance of city structural BMPs.
	3. Documented inspections of 10 post construction structural controls per year.	Exceeded Goal – 11 post-construction structural controls were inspected in this reporting period.
	1. Site plan review of 100% new development/redevelopment projects.	Met Goal – Site plan review was performed on 100% of new and redeveloped projects.

4-3 Construction Site Plan Review	2. Maintain SOP for Construction Site Plan Review.	Met Goal – SOP for Construction Site Plan Review was maintained and followed.
4-4 Green Space Preservation	1. Implementation of green space preservation policies in 100% new projects.	Met Goal - The green space preservation policies applied to 100% of new projects in this reporting term.
4-5 Tree Preservation Ordinance	1. Implementation of Tree Preservation Ordinance in 100% new projects.	Met Goal - The Tree Preservation Ordinance continued to be implemented in this reporting period.
4-6 Inspection of Structural BMPs during Construction	See section 3-3, <i>Construction Site Inspection</i> .	Met Goal - See Section 3.3 Construction Site Inspection.
4-7 Limited Mowing Height	1. All park areas will be mowed at a frequency to ensure a minimum height of 2.5 inches of ground coverage.	Met Goal - Mowers were set for a minimum height of 2.5 inches.
5-1 Parks and Open Space Maintenance	1. Mowing crews pick up trash during maintenance of public green areas (approximately 200 days per year). Use mulching mowers. Leaf blowers used to blow clippings back onto grass. 2. Buffer zones and no mow zones. 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. 4. Maintain schedules for chemical application on all public spaces. 5. Maintain a list of pollutants of concern from mowing, chemical application and planting vegetation.	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 143 lbs. of paper and plastic items in this reporting period. Met Goal – The city had 16 buffer and no mow zones to help with erosion and pollutant removal in this reporting period. Met Goal – Parks purchased a wildflower mix on September 18, 2020 which continued the implementation of native species landscaping. Mowing height restrictions continued at 2.5 inches. Met Goal – A schedule for chemical application on all public spaces was maintained and implemented. Met Goal – A list of pollutants of concern from mowing, chemical application, and planting vegetation was maintained.

5.2 Road and Bridge Maintenance	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 13 Licensed Pesticide Applicators (Parks 7, Animal Services 2, ICGC 3, 1 Developmental Services) and 1 Licensed Irrigator and 2 Technician (Parks 2 Technician, Developmental Services 1 Licensed Irrigator).
	1. Major arterials swept once a month, including the selected municipal parking lots.	Goal Not Met – 2409.86 curb miles were swept in this reporting period which included major arterials and selected municipal parking lots. During the months of June and July 2020 the street sweeping contract went out for bid and was not approved by council until August. Street Sweeping resumed in August 2020.
	2. Maintain the SOP for street sweeping waste material disposal. Verify disposal method by contractor.	Met Goal – The SOP for street sweeping waste material disposal was maintained. Verification of disposal methods will be completed by January 24, 2022.
5.3 Fleet Maintenance	3. Collect approximately 9,000 trash and debris items from roadways and ditches.	Exceeded Goal – 16,436 pieces of trash were collected in this reporting period.
	4. Maintain the erosion and pollution prevention guidelines from road and bridge repair operations as needed.	Met Goal – The erosion and pollution prevention guidelines from road and bridge repair operations were maintained.
	5. Maintain list of Pollutants of concern from road and bridge maintenance.	Met Goal - List of Pollutants of concern from road and bridge maintenance was maintained.
	1. Weekly inspection/cleaning of maintenance and fueling facilities. Continue to implement spill response and pollution prevention plans (SPCC) at each fueling facility.	Goal Not Met – Inspections at maintenance and fueling facilities continued from May 2020 – September 2020. Due to staff changes over the months of October 2020 – April 2020 documentation cannot be located.
	2. Maintain the SOPs for each of the three maintenance facilities.	Met Goal – The SOPs for each of the three maintenance facilities were maintained.
	3. All vehicles and equipment washed in bays or commercial vehicle wash.	Met Goal – City vehicles and equipment were washed at the wash bays or a contracted commercial facility.
	4. Maintain the SOP for vehicle and equipment washing.	Met Goal - The SOP for vehicle and equipment washing was maintained.
	5. Sand traps are serviced as required by city ordinance. All wash bays are under a cover. Continue spill response and	Met Goal – Traps were serviced as required, wash bays are under cover, spill response and pollution prevention plans were

	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.	continued, spill kits and signs were maintained, the plan to address leaks from vehicles during normal use by a city employee continued.
	6. Parts and materials stored under cover. Continue recycling program for materials.	Met Goal - Fleet stored all materials under cover or inside the building except repaired vehicles and vehicles to be repaired. Recycling continued for used oil, antifreeze, oil filters, used tires, batteries, cardboard, spent solvent, and scrap metal.
	7. Continue to have new employees sign form regarding leaking vehicles during daily use by an employee.	Met Goal - Forms continued to be signed by all employees during New Employee Orientation (NEO).
	8. Annual Inspection of the Central Service Center maintenance yard.	Met Goal - The annual inspection was completed on February 27, 2020.
	9. Quarterly inspections of the ICGC.	Met Goal - Inspections were performed quarterly.
5-4 Municipal Buildings and Parking Lots Maintenance	1. Continue to update (annually) and implement a spill response and pollution prevention plan for building and parking lot maintenance (SPCC). Continue waste reduction/ recycling.	Met Goal - SPCC and the pollution prevention plan continued to be implemented. Waste reduction and recycling options continued for office materials at city facilities.
	2. Continue inspections of Municipal Buildings and parking lots, including the Public Works yard.	Met Goal - Municipal buildings, parking lots and the public works yard were inspected in this fiscal year.
	3. Evaluate spill response and pollution prevention plan, adjust plan as necessary.	Met Goal - Spill response manual was reviewed and updated in August, September, and October 2020.
	4. Maintain a list of pollutants of concern from municipal buildings and parking lot maintenance.	This item is due January 24, 2020.
5-5 Storm Sewer System Maintenance	1. Inspect 100% of the city-maintained channels yearly and 3,154 of inlets per year.	Met Goal - A List of pollutants of concern from municipal building and parking lots maintenance has been maintained.
	2. Review the current schedule for maintenance operations. Revise as necessary.	Exceeded Goal - During this reporting period 100% of the city-maintained channels were inspected. 3,397 inlets were inspected.
	3. Respond to 100% of complaints and other problems.	Met Goal - Schedule for maintenance operations was updated this fiscal year.
	4. Continue to inspect the 2 storm lift stations monthly.	Met Goal - Complaints were addressed as needed.
	5. Maintain a list of potential problem areas for increased inspections.	Exceeded Goal - Storm lift stations were inspected weekly - 104 inspections were conducted between the 2 lift stations in this reporting period.
		Met Goal - List of potential problem areas for increased inspections has been maintained.

5.6 Waste Reduction of Information Technology and Communications Operations	1. Continue recycling of all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations.	Met Goal – The city continued to recycle all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations during this reporting period.
	2. Continue feasible procedures to collect and recycle batteries from deployed equipment.	Met Goal - Procedures are in place and continue to be implemented to collect and recycle batteries from deployed equipment including cell phones, two-way radios, and uninterruptible power supply.
5.7 Grease, Sand and Grit interceptor Maintenance	1. Grease, sand, and grit trap maintenance will be done yearly in accordance with the city ordinance or variance approval through Environmental Services.	Met Goal – All city traps/interceptors are being pumped in accordance with the city ordinance or variance approval through Environmental Services.
5.8 Sand and Deicer Storage Locations	1. Limit sand, salt, and liquid deicer application to minimum amount necessary to ensure safe driving and walking conditions.	Met Goal – Public Works used the following amounts in this reporting period: Liquid deicer – used 850 gallons.
	2. Maintain SDS on site for salt and liquid deicer.	Met Goal – SDSs were maintained on site.
	3. Continue to implement appropriate controls for sand, salt, and liquid deicer storage.	Met Goal – Controls were in place for sand, salt, and liquid deicer.
	4. Maintain list of pollutants of concern from the three materials used.	Met Goal – List of pollutants of concern from the three materials used was maintained.
	5. Maintain written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP.	Met Goal – Written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP were included in the SOP for the Public Works yard.
	6. Inspect controls for sand, salt, and deicer storage.	Met Goal – Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.
5.9 City Owned Facilities	1. Maintain an inventory of city owned facilities.	Met Goal – An inventory of city owned facilities was maintained.
	2. Maintain a map of city owned facilities & other stormwater controls.	Met Goal – A map of city owned facilities & other stormwater controls was maintained.
	3. Perform an assessment of city owned facilities.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022.

		Assessment of city owned facilities started in 2020.
	4. Identification of high priority facilities.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022.
		Evaluations began in 2020.
	5. Review facility specific SOPs for all current high priority facilities.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.
	6. Develop facility specific SOPs for any newly identified high priority facility during the assessment.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.
	7. Inspection of all high priority facilities yearly.	Met Goal – All 9 high priority facilities were inspected during this reporting period.
5-10	1. Maintain an inventory of structural controls. Update as needed.	Met Goal – The inventory of structural controls was maintained.
Structural Control Maintenance and Waste Disposal	2. Inspections of city structural controls will be done once in the permit term.	Met Goal – All city owned structural controls have been inspected this permit term.
		Animal Services: 02/20/2020
		Parking lot downtown: 02/20/2020
		Regional Detention Pond/ Vandergriff and Broadway Detention pond 02/20/2020
		H & J Library Retention pond: 02/27/2020
		Police Department Detention pond: 03/07/2020
		Woodlake Pond E Peters Colony & Josey Detention pond: 04/08/2020
5-11	1. 100% of projects where the city meets the definition of operator will comply with TPDES construction general permit requirements.	Met Goal – The city complied with TPDES construction permit requirements for those projects that were applicable.

New Construction and Land Disturbance	2. Require 100% contractors of municipally owned construction projects to comply with TPDES construction storm water permit requirements.	Met Goal - Contractors were required to comply with the TPDES construction permit requirements.
5.12 Contractor Oversight Procedures	1. Maintain list of contractors	Met Goal – List of contractors was maintained.
	2. Continue to contractually require contractors to comply with stormwater control measures, good housekeeping practices and facility-specific SOPs.	Met Goal – Contractors were contractually required to comply with stormwater control measures, good housekeeping practices, and facility-specific SOPs.
	3. Continue to implement oversight procedures.	Met Goal – Oversight procedures continued during this reporting period.
5.13 Fire Fighting Training Activities	1. Continue implementing BMPs during training activities.	Met Goal – Fire Department continued to implement BMPs during training activities.
5.14 Employee Storm Water Pollution Prevention Training Program	1. Participate in the NCTCOG Pollution Prevention Task Force (regional program) to identify pollution prevention training materials and/or develop new materials as needed.	Met Goal – Staff attended the NCTCOG Pollution Prevention Task Force Meetings and participated in developing training materials. There were two meetings this reporting period: November 6, 2019 & July 1, 2020.
	2. Continue training all employees in departments responsible for operations or maintenance functions. Document training.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022 and January 24, 2024.
5.15 Flood Control Projects	1. Develop a list of all city owned structural flood control devices.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2021.
	2. Evaluate all of the structural control devices to determine if they can be retrofitted to provide additional pollutant removal to MEP.	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.
	3. Develop a plan for retrofitting (if applicable).	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.
	4. Assess the impacts of receiving waters for all flood control projects.	Met Goal – Impacts of receiving waters for all flood control projects were reviewed.

	5. All of the new flood control structures will be designed, constructed, and maintained to provide erosion prevention and pollutant removal from stormwater.	Met Goal – No new flood control structures were proposed during this reporting period.
6.1	1. Annually inspect 100 industrial facilities.	Exceeded Goal – During this reporting period the city conducted 139 inspections at industries.
Inspection of Industrial Facilities	2. Identify industries needing to apply for a TPDES/NPDES permit and require proof of permit coverage within 6 months of identification. Survey to be done every 3 years.	Met Goal – Industries have been identified and required to obtain coverage under the MSGP during inspections. The waste survey is done every 3 years.
6.2	1. Maintain an inventory of commercial facilities with grease/grit traps.	Met Goal – An inventory of grease/grit traps has been maintained.
Inventory/ Inspection of Commercial Facilities	2. Conduct one inspection per year for all food establishments.	Goal Not Met – The city performed 638 inspections out of the 660 food establishments this reporting period. Due to the cyberattack some inspection documents have been lost. Due to COVID-19 some establishments did not have inspections, nursing homes and daycares were not inspected during COVID-19 due to restricted access by the facilities.
	3. Conduct at least 25 commercial inspections per year.	Exceeded Goal – The city inspected 29 commercial facilities during this reporting period.
	4. Inspect all active grease/grit traps in database once per year.	Met Goal – All 588 Grease/grit traps have been inspected during this reporting period.
	5. Implementation complete.	Met Goal.

C. 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 in 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, Furneaux Creek, Hutton Branch, Cooks Branch, and the Valwood Improvement Channel.

The WQI results from the January 2020 data were 11 had a Good rating and 7 had an Excellent rating. The results from the June 2020 monitoring had 1 location with a bad rating, 2 locations with a Medium rating, 12 with a Good rating, and 3 with an Excellent WQI rating. The surface water monitoring data was reviewed in 2020 and 70 new outfalls were selected to be monitored for Dry Weather Screening. Dry Weather Screening was conducted twice at the 62 outfalls once in February - March 2020 and once in June 2020. 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 148 spills and illicit discharges, 23 illegal dumping cases, and 16 complaints about pet waste. Parks continued to remove trash from greenbelts and waterways at least 200 days each year and Public Works removed 16,436 pieces of trash from the roadways and ditches. Staff worked 1,197 cases regarding trash and debris, removed 178.5 bags of trash with the creek clean-up and adopt-a-spot programs, and the net at Josey Ranch collected 143 pounds of paper and plastic items. The city swept 2409.86 curb miles which included the major arterials and selected city parking lots. The city inspected 3,397 storm drain inlets in the city. Stormwater inspections were conducted at 638 food establishments, 29 commercial facilities, and 139 industries. All 588 of the active grease traps were inspected.

D. 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

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

E. Stormwater Activities

Describe activities planned for the next reporting year:

All recurring activities will continue to be implemented and the following new activities:

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 posted 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	Year 1-2

1	Public Notice	Publish notice of Public Meeting if determined to be necessary by TCEQ	Year 1-2
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

F. 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

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

G. 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

H. Additional Information

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

___ Yes X 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 X 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

I. 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: 14

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 2020:

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)
01/08/2020	IC1	12.8	8.14	13.8	361	43.9	0	0	83 - Good
01/08/2020	IC2	10.5	8.1	13.7	874	9.96	0	0.704	89 - Good
01/14/2020	FC1A	17	6.74	12.9	600	12.3	0.1	0.704	85 - Good
01/14/2020	FC2	15.7	6.99	11	507	43.5	0.28	0.88	85 - Good
01/14/2020	FC3	16.3	7.29	11.8	662	7.46	0.08	2.64	91 - Excellent
01/14/2020	FC4	17.4	7.64	11.3	909	6.07	0.12	2.2	92 - Excellent
01/14/2020	FC5	25	7.09	10.5	647	3.58	0	4.4	90 - Excellent
01/08/2020	HB1	7.9	6.57	18	529	4.62	0.08	0	77 - Good
01/08/2020	HB2	9.2	7.71	13.6	605	12.8	0	0.088	91 - Excellent
01/08/2020	HB3	8.9	7.6	12.8	433	14.1	0.1	0.352	92 - Excellent
01/08/2020	HB4A	1.16	7.47	11.2	689	3.53	0.14	3.52	92 - Excellent
01/08/2020	HB5	13.9	9.1	12.7	358	4.29	0.48	1.496	77 - Good
01/08/2020	DB1	13.8	8.1	10.6	528	20.9	0.22	0.352	88 - Good
01/08/2020	DB2	14.3	8.43	15.2	1093	3.49	0.06	0.704	76 - Good
01/08/2020	DB3	12.8	8.09	19.8	1105	3.71	0	0.528	79 - Good
01/08/2020	CB1A	13.6	7.96	10.3	630	5.03	0.24	0.88	92 - Excellent
01/08/2020	CB2	14.3	8.7	14.4	492	2.26	0.08	0	84 - Good
01/08/2020	VI1	9.6	7.97	19.5	746	3.18	0	0.176	80 - Good

June 2020:

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)
06/15/2020	IC1	25	7.13	6.7	387	125	0.26	0	81 - Good
06/15/2020	IC2	25	7.01	8.7	968	23.4	0.2	0	88 - Good
06/16/2020	FC1A	25	6.68	5.6	904	16.5	0	0.176	84 - Good
06/16/2020	FC2	25	6.78	3.2	626	15.9	0	0	71 - Good
06/16/2020	FC3	25	8.29	6.7	552	25.1	0	0	87 - Good
06/16/2020	FC4	25	7.44	7	1011	17.5	0	0.176	92 - Excellent
06/16/2020	FC5	25	7.29	5.8	555	12.7	0	1.76	87 - Good
06/15/2020	HB1	25	6.31	0.2	575	132	0.44	0.44	43 - Bad
06/15/2020	HB2	25	6.78	3.9	763	9.94	0	0.088	77 - Good
06/15/2020	HB3	25	7.34	6.5	724	7.43	0	0	94 - Excellent
06/15/2020	HB4A	25	7.19	7.2	679	3.29	0.2	3.96	89 - Good
06/15/2020	HB5	25	9.72	2.8	426	6.2	0.2	0.132	60 - Good
06/16/2020	DB1	25	7.66	4.2	477	78.6	0.5	0	65 - Medium
06/15/2020	DB2	25	7.38	9.8	1099	12.7	0.5	0	80 - Good
06/15/2020	DB3	25	7.02	10.3	1061	17.6	0.54	0.44	69 - Medium
06/15/2020	CB1A	25	6.94	7.2	688	3.25	0.14	0.88	93 - Excellent
06/15/2020	CB2	25	7.97	7.5	530	14	0.3	0	88 - Good
06/15/2020	VI1	25	6.93	9.4	757	23.1	0.34	0	82 - Good

Appendix II

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

Outfalls to be Monitored for Dry Weather Screening 2015:

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)	north east 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:
All outfalls	all industrial/commercial outfalls	entire length of Valwood Improvement Channel – 44 outfalls

Outfalls to be Monitored for Dry Weather Screening 2021:

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
OF 9874	Large outfall from Commercial & residential 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 over pass by Fyke Rd

OF 1113	Residential area, Many Connecting inlets	By Under pass by Fyke Rd	
VI Channel:			60 OF Valwood
Multiple OF	Reason for Selection: Outfalls by Industrial Area	Site Description: 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:	QF4040		QF4041		QF0309		QF0308		QF0428		QF0382		QF0379	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	02/03/20	2/3/20	2/3/20	2/3/20	2/3/20	2/3/20	2/3/20	2/3/20	2/3/20	2/3/20	2/3/20	2/3/20	02/03/20	02/03/20
	10:38am	2:38pm	10:38am	2:38pm	10:50am	2:52pm	10:51AM	2:54PM	10:59AM	3:00PM	11:04AM	3:04PM	11:08AM	3:10PM
Flow	none	none	Medium	Medium	None	None	None	None	None	None	None	None	None	None
pH (ppm)			7.77	8.33										
Conductivity (µS)			1	1										
Detergent (ppm)			0	0										
Ammonia Nitrogen (ppm)			0	0										
Water Temp (°F)			25	15.5										
Turbidity (NTU)			1.8	5.37										
Chlorine (ppm)			0	0										
Color			clear	clear										
Odor			none	none										
Sewage			none	none										
Surface Scum			yes	yes										
Trash			none	none										
Oil Sheen			none	none										

Outfalls:	OF4040		OF4041		OF0309		OF0308		OF0428		OF0382		OF0379	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	06/04/20 10:46 am	6/4/20 3:06 pm	6/4/20 10:46 am	06/04/20 3:06 pm	6/4/20 11:02 am	6/4/20 3:21 pm	06/04/20 11:04 am	6/4/20 3:22 pm	6/4/20 11:08 am	06/04/20 3:27 pm	6/4/20 10:13 am	6/4/20 3:33 pm	06/04/20 11:15 am	06/04/20 3:36 PM
Flow	none	none	Medium	Medium	None	None	None	None	None	None	None	None	None	None
pH (ppm)			7.17	7.64										
Conductivity (µS)			1	1										
Detergent (ppm)			0.01	0.02										
Ammonia Nitrogen (ppm)			0	0										
Water Temp (°F)			25	25										
Turbidity (NTU)			1.53	2.13										
Chlorine (ppm)			0	0										
Color			clear	clear										
Odor			none	none										
Sewage			none	none										
Surface Scum			none	none										
Trash			yes	yes										
Oil Sheen			none	none										

Hutton Branch:

Dry Weather Screening:

Outfalls:	OF4355		OF1296		OF1279		OF1281		OF1443	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	2/27/20	02/27/20	2/27/20	02/17/20	2/17/20	02/17/20	2/27/20	02/17/20	02/17/20	02/17/20
Flow	11:25 AM	3:42 AM	11:30 AM	3:52 PM	11:30 AM	3:52 PM	11:49 AM	4:26 PM	11:38	4:14 PM
pH	Low	low	low	low	None	None	None	None	none	none
	7.49	7.87	7.66	7.69						
Conductivity (µS)	763	882	736	774						
Detergent (ppm)	0	0	0	0.1						
Ammonia Nitrogen (ppm)	0	0	0	0						
Water Temp (°F)	25	25	25	25						
Turbidity (NTU)	19.5	21.3	13.8	18.3						
Chlorine (ppm)	0	0	0	0						
Color	Clear	clear	clear	clear						
Odor	none	none	none	none						
Sewage	none	none	none	none						
Surface Scum	none	yes	none	yes						
Trash	yes	yes	yes	yes						
Oil Sheen	none	none	none	none						

Outfalls:	OF4355		OF1296		OF1279		OF1281		OF1443	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	6/8/20	06/08/20	6/8/20	6/8/20	06/08/20	6/8/20	6/8/20	06/08/20	06/08/20	06/08/20
	9:35 AM	11:58 AM	9:35 am	1:58 pm	2:44 AM	2:16 pm	9:44 AM	2:46 PM	9:55 am	2:46 pm
Flow	Low	low	low	low	None	None	None	None	none	none
pH			8.11	7.82						
Conductivity (µS)			720	791						
Detergent (ppm)			0.1	0.1						
Ammonia Nitrogen (ppm)			0	0						
Water Temp (°F)			25	25						
Turbidity (NTU)			17.6	27						
Chlorine (ppm)			0	0						
Color			clear	clear						
Odor			none	none						
Sewage			none	none						
Surface Scum			none	yes						
Trash			yes	yes						
Oil Sheen			none	none						
	Flow too low to collect sample									

Cooks Branch:

Dry Weather Screening:

Outfalls:	OF1118		OF1112	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	2/17/20	02/17/20	2/17/20	02/17/20
	12:04 pm	4:41 pm	12:10 pm	4:52 pm
Flow	low	low	None	None
pH	8.24	8.25		
Conductivity (µS)	803	817		
Detergent (ppm)	0	0		
Ammonia Nitrogen (ppm)	0	0		
Water Temp (°F)	15.8	15.6		
Turbidity (NTU)	3.27	4.23		
Chlorine (ppm)	0	0		
Color	Clear	Clear		
Odor	no	no		
Sewage	no	no		
Surface Scum	no	no		
Trash	no	no		
Oil Sheen	no	no		

Outfalls:	OF1118		OF1112	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	6/8/20 10:20 am	06/08/20 2:46 pm	6/8/20 10:35 am	06/8/20 2:50 pm
Flow	Medium	Medium	Medium	medium
pH	8.78	8.32	8.2	8.11
Conductivity (µS)	752	754	1167	1135
Detergent (ppm)	0.1	0.1	0	0
Ammonia Nitrogen (ppm)	0	0	0	0
Water Temp (°F)	25	25	25	25
Turbidity (NTU)	9.59	7.61	5.64	4.14
Chlorine (ppm)	0	0	0	0
Color	Clear	Clear	clear	clear
Odor	no	no	no	none
Sewage	no	no	no	none
Surface Scum	no	no	no	none
Trash	yes	yes	yes	yes
Oil Sheen	no	no	no	none

Valwood Channels:

Dry Weather Screening:

Outfalls:	OF1096		OF4150		OF4152		OF1407		OF1456		OF1457		OF1459	
Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	3/2/20	03/26/20	3/2/20	03/26/20	3/2/20	03/26/20	03/26/20	3/2/20	3/2/20	03/26/20	03/26/20	03/26/20	03/26/20	3/2/20
	8:40 am	1:15 pm	8:40 am	1:15 pm	8:45 am	1:28 pm	8:44 am	1:46 pm	8:42 am	1:15 pm	8:44 am	12:29 pm	8:44 am	1:28 pm
Flow	None	None	None	None	None	None	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														

OF2288		OF4171		OF1414		OF4172		OF1413		OF1411		OF4173		OF1412	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20	3/2/20
9:26 am	1:44 pm	9:30 am	1:45 pm	9:30 am	1:45 pm	9:28 am	1:45 pm	9:29 am	1:45 pm	9:30 am	1:48 pm	9:36 am	1:49 pm	9:36 am	1:49 pm
None	None	Low	Low	Low	Low	Low	Low	None	None	None	None	None	None	Low	Low
														7.84	
														483	
														0	
														0	
														25	
														8.09	
														0	
														Clear	
														None	
														None	
														yes	
														None	
														None	Too low for sample

OF1451		OF1391		OF4176		OF4177		OF2321		OF1453		OF1392		OF4174	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/2/20	3/2/20 1:49 pm	3/2/20	03/26/20 2:14 pm	3/2/20	10:00 am	3/2/20	10:00 am	03/26/20 10:08 am	3/2/20 2:38 pm	3/2/20 10:09 am	3/2/20 2:26 pm	3/2/20 10:07 am	3/2/20 2:27 pm	3/2/20 10:03 am	3/2/20 2:26 pm
9:39 am		9:59 am													
None	None	None	None	None	None	None	None	High	High	None	None	None	None	Low	None
								7.23	7.54						
								1265	56						
								0	0						
								0	0						
								25	25						
								11.1	9.92						
								0	0						
								clear	clear						
								none	none						
								no	none						
								yes	yes						
								yes	none						
								no	none					Too low to Collect	Too low to Collect

OF4175		OF1454		OF2286		OF2295		OF1455		OFXXX next to 2288		OFXXX between 1358 & * 1399		OFXXX left of 1458	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
3/2/20	3/2/20	3/2/20	3/2/20	03/26/20	03/26/20	03/26/20	03/26/20	3/2/20	3/2/20	03/26/20	03/26/20	03/26/20	03/26/20	03/26/20	03/26/20
10:04 am	2:28 pm	10:05 am	2:28 pm	10:22 am	2:53 pm	10:24 am	2:55 pm	10:03 am	2:27 pm	9:20 am	1:44 pm	8:55 am	1:35 pm	8:46 am	1:31 pm
None	None	None	None	Low	Low	None	None	None	None	None	None	None	None	None	None
				7.68	7.67										
				789	783										
				0	0										
				0	0										
				25	25										
				4.82	2.86										
				0	0										
				Clear	clear										
				None	none										
				None	none										
				yes	yes										
				None	none										
				None	none										

Outfalls:	OF1096		OF4150		OF4152		OF1407		OF1456		OF1457		OF1459		OF1458	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	6/10/20 9:14 am	06/10/20 1:59 pm	6/10/20 9:14 am	06/10/20 1:59 pm	6/10/20 9:14 am	06/10/20 1:55 pm	6/10/20 9:19 am	06/10/20 1:55 pm	6/10/20 9:18 am	6/10/20 1:55 pm	6/10/20 9:21 am	06/10/20 1:58 pm	6/10/20 9:19 am	6/10/20 1:55 pm	6/10/20 9:22 am	6/10/20 1:55 pm
Flow	None	None	None	None	None	None	None	None	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																

OF1417		OF1414		OF1412		OF1413		OF1411		OF14173		OF1412		OF1451	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
6/10/20	6/10/20	6/10/20	06/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20
9:49 am	2:13 pm	9:49 am	2:13 pm	9:52 am	2:13 pm	9:59 am	2:14 pm	9:59 am	2:14 pm	9:59 am	2:15 pm	9:59 am	2:15 pm	9:14 am	1:52 PM
Low	Low	Low	Low	None	None	None	None	None	None	None	None	Low	Low	None	None
7.2	8.45	8.23										7.84			
593	603	592										483			
0.1	0.1	0.2										0			
0	0	0										0			
25	25	25										25			
16.1	14.1	9.29										8.09			
0	0	0										0			
clear	clear	clear										Clear			
no	0	no										None			
no	no	no										None			
no	no	no										yes			
yes	yes	yes										None			
no	no	no	Too low to sample	Too low to sample	Too low to sample							None	Too low for sample		

OF1391		OF4176		OF4177		OF2321		OF1453		OF1392		OF4174		OF4175	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
6/10/20	06/10/20	6/10/20	6/10/20	6/10/20	6/10/20	06/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20	6/10/20
10:24 am	2:38 pm	10:24 am	2:39 pm	10:25 am	2:39 pm	10:28 am	2:41 pm	10:00 am	2:43 pm	10:33 am	2:44 pm	10:30 am	2:43 pm	10:35 am	2:46 pm
None	None	None	None	None	None	low	low	None	None	None	None	Low	None	None	None
						7.4	7.6								
						1631	1636								
						0	0.1								
						0	0								
						25	25								
						9.75	21.9								
						0	0								
						clear	clear								
						none	none								
						no	none								
						no	none								
						yes	yes								
						no	none					Too low to Collect	Too low to Collect		

OF1454		OF2286		OF2295		OF1455		OFXXX next to 2288		OFXXX between 1358 & * 1399		OFXXX left of 1458		OFXXX next to 1456	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
6/10/20	6/10/20	06/10/20	06/10/20	06/10/20	06/10/20	6/10/20	6/10/20	06/10/20	06/10/20	06/10/20	06/10/20	06/10/20	06/10/20	06/10/20	06/10/20
10:35 am	2:43 pm	10:51 am	3:04 pm	10:52 am	3:05 pm	10:33 am	2:46 pm	9:44 am	2:12 pm	9:28 am	2:04 pm	9:23 am	1:59 pm	9:18 am	1:55 pm
None	None	Low	Low	None	None	None	None	None	None	None	None	None	None	None	None
		7.68	7.67												
		789	783												
		0	0												
		0	0												
		25	25												
		4.82	2.86												
		0	0												
		Clear	clear												
		None	none												
		None	none												
		yes	yes												
		None	none												
		None	none												

J. 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): Erip Rinehart Title: City Manager

Signature:  Date: 12/16/2020

Name of MS4 City of Carrollton

