

December 17, 2021

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

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

Dear Team Leader:

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

The annual report is for Year 3. The reporting period's beginning October 1, 2020 and ending September 30, 2021.

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 TXR040000

A. General Information

Authorization Number: TXR040326

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

Annual Reporting Year Option Selected by MS4:

Fiscal Year: X Last day of fiscal year: (September 30, 2021)

Reporting period beginning date: (month/date/year) October 1, 2020

Reporting period end date: (month/date/year) September 30, 2021

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. 7018 3090 0002 2552 2907

Region the annual report was submitted to: TCEQ Region 4 USPS Certified Mail No. 7018 3090 0002 2552 2914

Status of Compliance with the MS4 GP and SWMP

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

<p>Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.</p>	<p>x</p>	<p>x</p>	<p>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.</p>
<p>Permittee is currently in compliance with recordkeeping and reporting requirements.</p>	<p>Yes x</p>	<p>No</p>	<p>Explain 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.</p>
<p>Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).</p>	<p>x</p>		

Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		
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2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**see Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
<p>1.1 Stormwater Reading Materials</p>	<p>To educate all groups through different types of reading materials including news articles, brochures, posters and notice letters on impacts of stormwater on water quality, hazards associated with illegal discharges and improper disposal of waste, and steps they can take to reduce pollutants in stormwater.</p>	<p>Yes – Since the materials come in various formats it reaches out to a variety of groups and 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.</p> <p>Distributed 798 brochures and educational materials from display racks and educational events.</p> <p>2,538 cases were worked for high weeds and grass. The valid cases were mailed NOV's which included educational information on the proper disposal of grass clippings.</p> <p>1,998 cases were worked regarding trash and debris, valid cases were issued NOV's.</p> <p>33 articles appeared in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill 138 times throughout the reporting period.</p> <p>95 complexes within Carrollton received a letter containing stormwater information along with their annual inspection notice.</p>

<p>1.2 Public Presentations and Educational Events</p>	<p>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 stormwater.</p>	<p>Yes – Each of the 11 presentations or educational events were tailored to cater to the target audience thus delivering the topic in a relevant and understandable form.</p>
<p>1.3 Promotional Items</p>	<p>To educate all groups by sending stormwater messages and promoting the hotline number by providing useful items free of charge.</p>	<p>Yes – Giveaways are a great way to deliver a stormwater message especially as these are practical items that people use daily, such as pencils, erasers, pencil sharpeners, pet waste bag holders, and the like. Most giveaways included a stormwater tip to reduce pollution. 3,344 promotional items were distributed.</p>
<p>1.4 Annual ‘March is Texas SmartScape™ Month</p>	<p>To educate residents, businesses, visitors, and commercial and industrial facilities about using native and adapted plants to improve water quality.</p>	<p>Yes – It is a great tool for residents and businesses that want to make changes to their landscape as March is a great time of the year to start planning. 2 educational displays, 152 SmartScape bookmarks and pamphlets were distributed, and 2,578 Sessions with 70% new sessions on the SmartScape NTCGOG website.</p>

<p>1.5 Environmental Education for Commercial and Industrial Facilities</p>	<p>To educate commercial and industrial facilities about impacts of stormwater on water quality; hazards associated with illegal discharges and improper disposal of waste; and steps they can take to reduce pollutants in stormwater through meetings and hand-outs.</p>	<p>Yes – Both general pollutants as well as characteristic pollutants from specific commercial and industrial operations are explained. This ensures a comprehensive and relevant discussion of reducing stormwater pollution from these sources.</p> <p>Three newsletters for industrial and commercial facilities were distributed in October 2020, February 2021, and September 2021. Pollution prevention posters were distributed to food establishments during routine and permitting inspections in this fiscal year. The annual industry meeting was held on August 24, 2021.</p>
<p>1.6 Environmental Education for Construction Site Personnel</p>	<p>To educate construction site personnel on TPDES Construction General Permit and city ordinance requirements to ensure controls for erosion/sediments, wastes and other pollutants at construction sites through handouts and a brief presentation.</p>	<p>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.</p> <p>24 Construction packets were distributed and included an overview of the requirements at the pre-construction meetings.</p>
<p>1.7 Storm Drain Marking</p>	<p>To educate all groups through placards placed on the storm drain to not dump or discharge any pollutants into the storm drain and where the storm drain goes.</p>	<p>Yes – The stormwater message is placed directly on the storm drain inlet and it informs anyone who steps up to it two basic concepts: 1) that these structures link rain to the creeks and therefore, 2) that no pollution should be sent down through these inlets. This BMP is a real-time teaching method.</p> <p>144 markers were placed.</p>

<p>1.8 Stormwater and Pollution Prevention Videos & Public Service Announcements</p>	<p>To educate all groups about impacts of stormwater on water quality; hazards associated with illegal discharges and improper disposal of waste; and steps they can take to reduce pollutants in stormwater through videos.</p>	<p>Yes – These videos are dynamic educational tools because these include relatable, real-life situations and stormwater pollution prevention recommendations that they can follow. The PSAs and cable slides are run on the city’s cable channel and the videos are available on the city’s stormwater website.</p> <p>7 stormwater cable slides ran on the cable channel from June 2021 – September 2021: 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.</p> <p>4 stormwater videos or PSAs were shown on the cable channel from June 2021 – September 2021: Pool Care, Litter, Lawn Watering, and Lawn Care.</p> <p>10 educational videos were posted on the stormwater web page all year long: Lawn Clipping Disposal, Yard Trimmings, Lawn & Yard Care, Litter, Paint Disposal, Washing Your Vehicle, Water Conservation, Stormwater Pollution (High School Students), Freddy the Fish (Children), and Proper pool draining in North Texas.</p>
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<p>1-9 TCEQ FOG Initiative</p>	<p>To educate restaurants, apartment managers, apartment tenants, and industries about fats, oils, and grease and ways to reduce the possibility of a sanitary sewer overflow through brochures, posters, website, inspections, and presentations.</p>	<p>Yes – The information is distributed directly to the appropriate groups whose operations have a big impact on the sewer collection system and the wastewater treatment plant and therefore can best benefit from this training.</p> <p>TCEQ Grease posters were given to all new food establishments applying for a food permit via a folder with other pertinent information in this reporting period. They were also redistributed during 1251 routine inspections as needed.</p> <p>95 letters to apartment managers were mailed.</p> <p>2,800 Grease control flyers were distributed in September 2021 to all multi-family complexes.</p> <p>7 articles on grease control appeared 18 times in various news media, these included the city newsletter, city website, Facebook, Twitter, and Netbill.</p> <p>Grease control information is available on the website at the following link: http://www.cityofcarrollton.com/departments/departments-g-p/public-works/fat-free-sewers</p> <p>8 presentations or educational events were conducted</p>
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<p>1.10 Household Hazardous Waste Disposal</p>	<p>To educate residents about proper disposal of household hazardous waste and where they can dispose of their wastes.</p>	<p>Yes – This provides concrete information to residents on how to properly dispose of their household hazardous wastes while providing a mechanism for citizens to provide feedback to the city.</p> <p>1 household hazardous waste article ran in the November 2020 On the Horizon newsletter. It reached 49,919 subscribers via NetBill and 43,000 via mailer.</p> <p>Information was posted on the web page at: https://www.cityofcarrollton.com/departments/departments-qz/trash-recycling/household-hazardous-waste.</p>
<p>1.11 Pet Waste Education</p>	<p>To educate pet owners about the importance of cleaning up after their pets.</p>	<p>Yes – Educational information was distributed directly to pet owners, the group that has the most control over this issue.</p> <p>Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-af/animals-services/animal-ordinances</p> <p>349 Animal Ownership brochures, 120 bookmarks, and 55 Pet waste containers with trash bags were distributed.</p> <p>52 educational signs on picking up after pets were posted in various parks/trails and 25 pet waste stations were maintained at the following locations: Mary Heads Carter (2), Clifford Hall (1), Harvest Run (2), Oak Creek (1), Harold Bessie (1), Josey Ranch Library (1), Rosemeade Dog Park (5), McInnish Dog Park (9), and Downtown Detention Pond (3).</p>

<p>1.12 Environmental Services website</p>	<p>To educate all groups on stormwater issues through a web site that is available every day of the year.</p>	<p>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-a-f/environmental-quality-services. The SWMP draft is currently posted on the City of Carrollton web page. The approved SWMP will be posted on the webpage within 30 days of SWMP approval date. Annual report for year 2, September 2019 – October 2020 was posted on the City of Carrollton webpage on December 16, 2020. Annual reports will be posted on webpage within 30 days after the due date of each of the 5 annual reports.</p>
<p>1.13 Electronic Newsletter for City Employees</p>	<p>To educate public service employees on stormwater issues and/or pollution prevention topics.</p>	<p>Yes – Five newsletters were distributed directly to all employees and copies printed for those without computer access. They provided stormwater pollution prevention information employees can use in their daily lives, while reiterating their role as city employees in preventing stormwater pollution.</p>
<p>1.14 Environmental Education for Schools</p>	<p>To provide information about the stormwater educational programs that the city offers to teachers/schools.</p>	<p>Yes – This information is distributed to teachers/schools at the beginning of every semester or twice a year. These are helpful to, and welcomed by, the teachers and students alike.</p>
<p>1.15 Comply with State and Local Public Notice Requirements</p>	<p>To involve the public by soliciting comments on the Stormwater Pollution Prevention Ordinance and the NOI and SWMP as required.</p>	<p>Yes – Gives the public a chance to comment on ordinances and SWMP prior to approval by City Council or the TCEQ.</p>

<p>1.16 Presentation of SWMP</p>	<p>To get input and support from citizens and businesses about the SWMP</p>	<p>Yes – Not only does this provide another way to educate residents on the SWMP activities, but it also ensures buy-in or ownership over the activities from citizens and businesses.</p>
<p>1.17 Illicit Discharge Reporting Line</p>	<p>To provide a means for the public to report illicit discharges 24 hours a day that the city may not notice.</p>	<p>Yes – The city's 3 hotlines or reporting lines allows the public to report violators that the city may not discover.</p>
<p>1.18 Volunteer Creek and Greenbelt Cleanup, Recycling and Chemical Collection</p>	<p>To give residents and businesses an opportunity to participate in removing trash from city creeks, greenbelts, and parks, recycle used cooking oil, and properly dispose of medications.</p>	<p>Yes – This is another tangible way to involve citizens, groups, and businesses to help clean-up waterways or dispose of medications and FOG appropriately.</p> <p>29 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot on 160 different days and collected 484.5 bags of trash. 7 new Adopt-A-Spot groups joined the program for a total of 20 adopted locations.</p> <p>2 Drug Take Back events collected 77 boxes containing 1623 lbs. of materials.</p> <p>1 Cease the Grease event collected 551.25 gallons.</p> <p>1 Community Cleanup Event collected 38 bags of trash and debris.</p>

<p>1.19 Citizens Advisory Committee</p>	<p>To involve residents, industries, school districts, etc. to be involved in the implementation of the SWMP.</p>	<p>Yes – The broad representation of various groups (two independent school districts, businesses, a citizen and a representative from the city’s Neighborhood Advisory Commission ensures input from the main sectors within the city.</p> <p>The Stormwater Advisory Committee Meeting was held on August 26, 2021.</p>
<p>2.1 Storm Sewer System Map</p>	<p>To complete and verify a map of all outfalls in the city.</p>	<p>Yes – This map of the outfalls and inlets facilitates an efficient and systematic method to trace discharges to the stormwater system, as well as mitigating releases to stormwater system.</p> <p>There is a total of 1,240 outfalls.</p>
<p>2.2 Stormwater Pollution Prevention Ordinance and Enforcement Response Guide</p>	<p>To develop and implement an ordinance to prohibit non-stormwater discharges.</p>	<p>Yes – This gives the city the legal authority to prohibit and enforce non-stormwater discharges into the stormwater system. The ordinance also serves to inform every one of their responsibilities towards preventing stormwater pollution.</p>
<p>2.3 Spill/Emergency Response</p>	<p>To respond quickly to and clean up accidental or intentional releases of hazardous materials by having a staff member available for spill response 24/7.</p>	<p>Yes – This ensures coverage by trained staff for spill remediation, reporting, and enforcement during all times, thereby minimizing the adverse impact of releases to the stormwater system.</p> <p>107 spills or discharges were investigated and remediated if found valid.</p>

<p>2.4 Illicit Discharge Reporting Line</p>	<p>To provide a means for the public to report illicit discharges 24 hours a day that the city may not notice.</p>	<p>Yes – The city's 3 reporting lines allow citizens to report discharges 24 hours a day and therefore ensures the timely response by trained staff to respond to these illicit discharges.</p>
<p>2.5 Construction Plans Review and Site Inspection for Illicit Connections</p>	<p>To review construction plans and perform site inspections for detection and elimination of illicit connections.</p>	<p>Yes – This ensures that there are no illicit connections during the building process. 100% new construction projects underwent site plan review and were inspected to ensure no illicit connections.</p>
<p>2.6 Illegal Dumping</p>	<p>To eliminate illegal dumping and littering through abatement and enforcement activities.</p>	<p>Yes – This not only establishes the quick removal of illegal dumping and litter, but also deters repeat violators. 22 cases were investigated during this reporting period and the 10 valid cases have been abated and were followed up with enforcement where appropriate.</p>
<p>2.7 Liquid Waste Program</p>	<p>To reduce the impact that liquid waste haulers, liquid waste generators, and septic systems have on water quality through inspections, permits, inventory, and monitoring.</p>	<p>Yes – This program lays down the permitting process, responsibilities, and sanctions for violators which will limit stormwater pollution from indiscriminate dumping of liquid waste and negligent/lack of grease/grit trap maintenance. Permitted 86 trucks were permitted and trip tickets were tracked and verified. An inventory of 9 septic systems remained.</p>

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.

169.27 miles of the required 167.46 miles were cleaned during this reporting period.

122,366 feet were smoke tested during this reporting period.

102,144 feet were TV'd during this reporting period.

2,349 manholes were inspected during this reporting period.

328 have been repaired in this reporting period.

997 inspections have been completed at the 19 sewer lift stations during this reporting period. Started in August 2021 a 20th lift station was added and inspected.

9 sites listed on the 30-day list were maintained every month.

10 city SSOs occurred and were remediated in this reporting period.

<p>2.9 Pet Waste Management</p>	<p>To require pet owners to remove pet wastes from both public and private areas.</p>	<p>Yes – This program not only establishes the responsibilities of pet owners to clean-up after their pets, but also educates them on the impact of pet waste on the quality of surface water. Trash cans, pet waste bags, and educational signs are available at various parks. Received 20 complaints and all were investigated.</p>
<p>2.10 Dry Weather Discharge Screening</p>	<p>To participate in the regional protocol for dry weather screening and continue to implement the program at the selected outfalls.</p>	<p>Yes – This is a clear method to detect illicit discharges and thereby the remediation, elimination, and targeted education of the areas where these are detected. 72 outfalls were monitored two times during the year for a total of 288 screenings.</p>
<p>2.11 Household Hazardous Waste Program</p>	<p>To provide residents with a means of disposing of their household hazardous waste.</p>	<p>Yes – The program provided a way for residents to dispose of their household hazardous waste properly, at no additional cost, and at their curbside, thereby encouraging for the timely and easy disposal. 157,619 pounds of material was disposed of through this program.</p>
<p>2.12 Water Main Breaks Response</p>	<p>To implement a response plan to reduce the amount of chlorine and sediment that gets discharged into creeks from water main breaks.</p>	<p>Yes – This response plan can help minimize the impact that chlorine and sediment have on creeks and wildlife.</p>
<p>2.13 Employee Training Detecting for Illicit Discharges</p>	<p>To train all field employees on spotting illicit discharges and who to contact when they see one.</p>	<p>Yes – This enables the city to have many more eyes looking for illicit discharges, allows for quicker response, and less damage to wildlife and surface waters.</p>

<p>2.14 Floatables</p>	<p>To prevent floatables from entering waterways through education, inspections, and direct removal.</p>	<p>Yes – These activities help reduce the amount of floatables in waterways through inspections and trash/debris removal by city employees, residents and businesses.</p> <p>1,998 trash and debris cases were investigated, the letter were sent to the valid cases to remediate the violation.</p> <p>1,251 inspections at food establishments were performed in this reporting period.</p> <p>484.5 bags of trash were removed from waterways by volunteers, 13,712 pieces of trash were collected by Public Works, and trash was picked up by Parks per their schedule in this reporting period.</p> <p>3,157 inlets were inspected in this reporting period.</p> <p>The structural control at Josey Ranch Lake collected 196 lb. of trash and debris before it reached waterways.</p>
<p>3.1 Ordinance for Construction Site Erosion and Sediment Controls and Enforcement</p>	<p>To develop an ordinance requiring construction site operators to implement appropriate erosion and sediment control and to control wastes at construction sites for all land disturbances, regardless of size.</p>	<p>Yes - This provides the city with the legal authority to prohibit non-stormwater discharges and to enforce compliance with federal/state stormwater permits for construction activities.</p>
<p>3.2 Stormwater Pollution Prevention Plan Review and Submission of NOI/CSN</p>	<p>To ensure that construction sites are in compliance with the TPDES Construction General Permit by requiring the submission of their NOI, CSN, and SWPPP for the city to review.</p>	<p>Yes – This ensures that the construction site operators are aware of their responsibilities and have put in writing their plan to meet the requirements under the TPDES Construction General Permit as we require the operator/owner to submit a copy of the SWPPP during plan review.</p>

<p>3-3 Construction Site Inspection</p>	<p>To ensure proper installation and maintenance of sediment and erosion control measures by inspecting all active private construction sites regardless of the size of the land disturbance.</p>	<p>Yes – The inspections ascertain that the stormwater BMP’s are installed and maintained, and changes are updated on their Construction SWPPP. 100% of construction sites were inspected.</p>
<p>3-4 Response to Citizen Complaints</p>	<p>To respond to public inquiries, concerns, and complaints regarding all construction sites regardless of the size of the land disturbance.</p>	<p>Yes - The hotline provides a means for the public to report problems at construction sites and allows the city to respond quickly, especially if there is an illicit discharge.</p>
<p>3-5 Stormwater Information Package for Construction Site Operators</p>	<p>To educate construction site operators by distributing the city and state construction requirements information package to construction site operators applying for a grading or building permit regardless of the size of the land disturbance.</p>	<p>Yes - The handouts are a great way to distribute information to the contractors. In addition to the handouts, a mini presentation is given to the contractors and owners, so they hear exactly what the city expects of them. 24 Educational packets were distributed and discussed during preconstruction meetings.</p>
<p>3-6 Preconstruction Meetings</p>	<p>To discuss erosion/sediment controls, pollution prevention practices, waste management, and TPDES requirements by conducting meetings for all operators of construction sites applying for a grading or building permit with the city, regardless of the size of the land disturbance.</p>	<p>Yes – The meetings give us an opportunity to provide information directly to the contractors and owners prior to land disturbance. An overview of what is required is covered in the meeting with a chance to ask questions. 24 Preconstruction meetings were held with all grading or building permit applicants during this reporting period.</p>
<p>3-7 Employee Training</p>	<p>To train construction inspectors and enforcement officers on inspecting construction sites.</p>	<p>Yes – The training provides standards and updated information for construction inspectors to be able to give proper assessment of construction sites on whether it is protective of stormwater quality.</p>

<p>3-8 Construction Site Inventory</p>	<p>To maintain an active construction project list.</p>	<p>Yes – This ensures that departments keep track of their active projects and their current construction phase.</p>
<p>4-1 Stormwater and Flood Protection Ordinance, and General Design Standards</p>	<p>To identify additional opportunities for implementation of control measures that will assist the city in reducing pollutants in stormwater from new or redeveloped areas.</p>	<p>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.</p>
<p>4-2 Long-Term Operation and Maintenance Plan for Structural BMPs</p>	<p>To ensure long-term operation and maintenance for structural BMPs constructed on public or private property.</p>	<p>Yes – This ensures that structural controls are performing to its optimum through inspections and maintenance schedules. 12 post-construction structural controls were inspected in this reporting period.</p>
<p>4-3 Site Plan Review</p>	<p>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</p>	<p>Yes – This comprehensive assessment considers water quality impacts from the beginning stages of a project and provides more opportunities for water quality protection.</p>
<p>4-4 Green Space Preservation</p>	<p>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.</p>	<p>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.</p>

<p>4.5 Tree Preservation Ordinance</p>	<p>To prohibit the removal of certain species of protected trees.</p>	<p>Yes - This provides small, but essential, green spaces that break up a landscape of impervious surfaces and provide pockets for runoff infiltration.</p>
<p>4.6 Inspection of Structural BMPs during Construction</p>	<p>To ensure proper installation and maintenance of sediment and erosion control measures by inspecting all active private construction sites regardless of the size of the land disturbance.</p>	<p>Yes - This ensures the stormwater BMP's are installed properly, routinely inspected, and maintained so that these function efficiently in reducing/preventing polluted runoff from construction sites.</p> <p>See Section 3.3 Construction Site Inspection.</p>
<p>4.7 Limited Mowing Height</p>	<p>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.</p>	<p>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.</p>
<p>5.1 Parks and Open Space Maintenance</p>	<p>To maintain the city parks and open space areas by reducing the amount of pesticides and fertilizer used in parks and open spaces through the use of native plants in landscaping, mulching mowers, buffer and no mow areas, and removal of trash.</p>	<p>Yes - The utilization of native plants, mulching, buffer and no mow areas, proper mowing practices and the like reduces applied pesticides and fertilizers, yard waste, and serves as a pollutant source reduction practice. Regular trash pick-up removes floatables from these areas as well.</p>
<p>5.2 Road and Bridge Maintenance</p>	<p>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.</p>	<p>Yes - This directly removes various pollutants from roadways and ditches on a regular basis.</p> <p>2,317.41 curb miles were swept, and 13,712 pieces of trash were collected in this reporting period.</p>

<p>5-3 Fleet Maintenance</p>	<p>To implement pollution prevention measures through inspections, good housekeeping practices, and spill response.</p>	<p>Yes – This reduces the impact the city’s fleet maintenance has on the environment from repairs, vehicle washing, fuel areas, and spills. This also entails recycling and proper disposal of the various waste streams like used oil, anti-freeze, and tires.</p>
<p>5-4 Municipal Buildings and Parking Lots Maintenance</p>	<p>To develop and implement a pollution prevention plan for the maintenance of city facilities.</p>	<p>Yes – This reduces the impact the city may have on the stormwater system during building and parking lot maintenance.</p>
<p>5-5 Storm Sewer System Maintenance</p>	<p>To ensure the stormwater system is functioning properly by inspecting and maintaining the stormwater system.</p>	<p>Yes – These routine inspections help determine if there are problems with the stormwater system and allows for the timely repair and maintenance to have these functioning efficiently.</p> <p>During this reporting period 100% of the city-maintained channels were inspected.</p> <p>3,157 inlets were inspected.</p> <p>104 inspections were conducted between the 2 lift stations in this reporting period.</p>
<p>5-6 Waste Reduction of Information Technology and Communications Operations</p>	<p>To further reduce pollution from hazardous materials in batteries and computer equipment by recycling or properly disposing these.</p>	<p>Yes - Proper disposal of batteries and computer equipment reduces the impact that these items have on the environment.</p>
<p>5-7 Grease, Sand and Grit Interceptor Maintenance</p>	<p>To prevent sanitary sewer overflows by maintaining the city’s grease, sand, and grit interceptors.</p>	<p>Yes – The inspections of these interceptors, both physically and through trip tickets, ensures proper frequency of pumping thereby preventing or reducing SSO’s.</p>

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

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

<p>6.1 Inspection of Industrial Facilities</p>	<p>To conduct inspections of industries that may impact stormwater through their discharges and identify, or keep records of, industries that are required to obtain a stormwater permit.</p>	<p>Yes – The inspection of industries establishes direct contact with one group of potential stormwater polluters in the city, provides an assessment of their operations vis-à-vis impacts on stormwater quality and recommendations to bring them into compliance with TCEQ’s MSGP requirements and the city’s stormwater ordinance.</p> <p>During this reporting period the city conducted 108 inspections at industries.</p>
<p>6.2 Inventory/ Inspection of Commercial Facilities</p>	<p>To determine impacts on the stormwater system through inventory and inspection of commercial facilities.</p>	<p>Yes – The inspection of commercial facilities establishes direct contact with one group of potential stormwater polluters in the city, provides an assessment of their services vis-à-vis impacts on stormwater quality and recommendations to bring them into compliance with the city’s stormwater ordinance.</p> <p>The city performed 1251 inspections at food establishments this reporting period.</p> <p>The city inspected 26 commercial facilities during this reporting period.</p> <p>596 grease/grit traps have been inspected during this reporting period.</p>

3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the MEP. If no progress was made or the BMP did not result in reduction in pollutants, provide an explanation. Use the table below to meet this requirement (see Example 2 in instructions):

ID	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	1.1 Stormwater Reading Materials	Brochures	798 brochures and educational materials from display racks and educational events. 2,538 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. 1,998 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.	33 articles appeared in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill 138 times throughout the reporting period	Articles	
		Stormwater letters to apartment complexes	All 95 complexes within Carrollton received a letter.	Letters	
1	1.2 Public Presentations	Presentations and Outreach Activities	11 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	3344 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 152 SmartScape bookmarks and pamphlets distributed 2,578 Sessions with 70% new sessions on the SmartScape NTCGOG website.	Educational displays, bookmarks, pamphlets, and website sessions.	No, This BMP poses as an indirect reduction of pollutants. The Smartscape program is a regional program that addresses three very important environmental issues in Texas, water conservation, pesticide use, and fertilizer use reducing stormwater pollution. Promoting this program in March, during the planting season, increases outreach and reduce the amount of water, pesticides, and fertilizer used.
1	1.5 Environmental Education for Commercial and Industrial Facilities	Educational Materials	A packet of information was distributed to all new food establishments that applied for a permit; the packet included the pollution prevention posters and grease posters. The pollution prevention posters continued to be distributed to food establishments during routine inspections as needed.	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

			1251 Restaurant inspections Three newsletters for industrial and commercial facilities were distributed in October 2020, February 2021, and September 2021. Annual Industry Meeting was held August 24, 2021.			correct negative actions, reducing the amount of pollutants produced.
		Industry education meeting		Meeting		
1	1.6 Environmental Education for Construction Site Personnel	Construction Packet	24 Construction packets distributed 24 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	144 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	7 stormwater cable slides and PSAs	PSA videos		

1	1.8 Storm Water and Pollution Prevention Videos and Public Service Announcements	List of Videos	4 new videos were played during this reporting period from June 2021 – September 2021: Pool Care, Litter Control, Lawn Watering, and Lawn Care. 10 posted educational videos: <ul style="list-style-type: none">• Lawn Clipping Disposal• Yard Trimmings• Lawn & Yard Care• Litter• Paint Disposal• Proper Pool Draining in North Texas• Washing Your Vehicle• Water Conservation• Stormwater Pollution (High School Students)• Freddy the Fish (Children)	Videos	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public to become educated on stormwater issues through cable slides and educational videos. When citizens are educated on stormwater issues, they will be more likely to correct negative actions, reducing the amount of pollutants produced.
1	1.9 TCEQ FOG Initiative	TCEQ Grease posters	TCEQ Grease posters were given to all new food establishments applying for a food permit via a folder with other pertinent information in this report period. They are also redistributed during routine inspections as needed.	Posters	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the public, food establishments, and apartments to become educated on how to reduce fats, oils, and grease in the sanitary sewer

1		Letter to apartment managers	95 letters were mailed to apartment managers.	Letters	system through letters to apartments, inspections, brochures, articles, and outreach events. When the public is educated on proper handling of fats, oils, and grease they will be more likely to correct negative actions, reducing the amount of FOG that entered into the sanitary sewer system reducing possible sanitary sewer overflows.	
		Food Establishment Inspections	1,251 food establishment inspections	Inspections		
		Apartment residents	2,800 Grease control flyers were distributed in September 2021 to all multi-family complexes.	FOG control brochures		
		Industries	3 industries were issued a Notice of Violation for grease during this reporting period.	Grease control information		
		Articles	7 articles on grease control appeared in various news media 18 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	8 presentations or educational events.	Presentations and outreach events		
		Bill Insert	1 article/newsletter was developed.	Article		
						No, This BMP poses as an indirect reduction of pollutants. This provided a medium to educate citizens on how to

1	Household Hazardous Waste Site	Household Hazardous waste bill insert	1 household hazardous article ran in the November 2020 edition of the On the Horizon and reached 49,919 subscribers via NetBill and 43,000 via Mailer.	Article	properly dispose of household hazardous waste through bill inserts and website information.
	Household hazardous waste website	Household hazardous waste website	Posted on the web page at: https://www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste .	Website information	
1.11	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 349 Animal Ownership brochures 120 bookmarks 55 Pet waste containers with bags	Website Brochures Bookmarks Pet waste bags	No, This BMP poses as an indirect reduction of pollutants. This provided a medium for the residents to become educated on proper pet waste disposal through giveaways, brochures, website information, and signage. When the public is educated on proper disposal of pet waste, they will be more likely to correct negative actions, reducing the amount of pollutants produced through pet waste. Providing pet waste stations gave residents access to the materials to pick up after their pets.
	Pet Waste	Pet Waste	52 educational signs in various parks and trails and 25 pet waste stations were maintained at the following locations: Mary Heads Carter (2) Clifford Hall (1) Harvest Run (2)	Signs and pet waste stations	

1			<p>Harold Bessie (1)</p> <p>Oak Creek (1)</p> <p>Josey Ranch Library (1)</p> <p>Rosemeade Dog Park (5)</p> <p>McInnish Dog Park (9)</p> <p>Downtown Regional Detention Pond (3)</p>		
1	1.12 Environmental Services Website	Environmental Services Website	<p>The website is updated as needed. http://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services.</p> <p>The SWMP draft is currently posted on the City of Carrollton web page. The approved SWMP will be posted on webpage within 30 days of SWMP approval date.</p> <p>Annual report for year 2, October 2020 – September 2021. Was posted on the City of Carrollton webpage on December 16, 2020 Annual reports will be posted on webpage within 30 days after due date of each of the 5 annual reports.</p>	<p>Website information</p> <p>Website</p> <p>Website</p>	<p>No, This BMP poses as an indirect reduction of pollutants. Posting the Stormwater Management Plan and annual reports on the City of Carrollton webpage allows the public to view and comment on steps the city is taking to reduce pollution to the maximum extent practicable. The stormwater website provided various information on reducing pollutants to residents, businesses, and more.</p>
1	1.13	City Employees	5 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

	Electronic Newsletter for City Employees				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 and DISD once.	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	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

	Presentation of SWMP	Presentation	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	Presentation	and the steps the city is taking to reduce stormwater pollution to the maximum extent practical.
1	1.17 Illicit Discharge Reporting Line	Hotlines	Non-emergency reporting line: 972-466-3333 Environmental Services: 972-466-3060 Pump Station: 972-466-3425	Phone line	Yes – This provided a medium for the public to report discharges that the city may not have discovered. Citizens were active in reporting lawn companies blowing grass clippings and leaves into the street or storm inlet, pool discharges, and other illicit discharges.
1	1.18 Volunteer Creek and Greenbelt Cleanup, Recycling, and Chemical Collection	Trash Clean-up and Recycling Events	29 volunteers or volunteer groups participated in the Waterway Clean-up and Adopt-A-Spot programs on 160 different days and collected 484.5 bags of trash. 7 new Adopt-A-Spot groups joined the program for a total of 20 adopted locations. 2 Drug Take Back event collected 77 boxes containing 1623 lbs. of materials. 1 Cease the Grease event collected 551.25 gallons. 1 Community Cleanup Event collected 38 bags of Trash and debris.	Volunteer Records, Cooking Oil Recycling and Drug Take-back event records.	Yes – This was an effective way to involve citizens and businesses to help cleanup and had a direct reduction in the amount of pollutants (floatables) in the stormwater system. The medication and grease events provided disposal or recycling methods, keeping this waste out of the sanitary sewer system, landfills, and waterways.
		Volunteer programs	2 litter reduction programs Adopt-A-Spot and Waterway Clean-up. These opportunities are posted on JustServe	Stormwater volunteer programs website	

				<p>(https://www.justserve.org/projects) and the city webpage (https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/volunteer-opportunities).</p>		
1	1.19 Citizens Advisory Committee	Meeting	Stormwater Advisory Committee Meeting was held August 26, 2021.	Meeting	No, This BMP poses as an indirect reduction of pollutants. The stormwater advisory committee utilizes members of the Carrollton community to provide input on what changes and ideas they would like to see in the stormwater program, as well as select a topic of focus to educate the public in this permit term.	
		Topic selected	2 educational topics selected: Landscaping Debris and Household Hazardous Waste program.	Educational topic		
		Education materials	Current education material was reviewed, and new ideas were given.	Education materials		
		Distribution of information	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.	Educational materials		
2	2.1 Storm Sewer System Map	Verification of new outfalls	Total of 1,240 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.	Maps		
2	2.2 Stormwater Pollution Prevention	Ordinance revisions	Ordinance revisions were complete on September 11, 2020 and was adopted on January 12, 2021.	Ordinance Revisions	Yes and no, This BMP poses as a direct and indirect reduction of pollutants. Reviewing and updating the city ordinance allows the city to stay current	
		Adopted by Council	Adopted on January 12, 2021	Council meeting		

	Ordinance and Enforcement Response Guide	ERP	Enforcement Response Guide/SOP was continually implemented.	ERP and SOP	with new stormwater regulations. An ordinance allowed the city to prohibit stormwater pollution and require remediation when appropriate.
2	2-3 Spill Response	Complaints and Inspections Spill Response Manual	107 spills or discharges were responded to. Spill Response Manual was updated in August, September, and October 2020.	Inspections Manual updates	Yes – Since spills do not just occur during office hours it is imperative to have a staff member available all the time. Having staff on-call 24 hours 7 days a week allowed us to remediate any spill or discharge that could have affected Carrollton’s waterways.
2	2-4 Illicit Discharge Reporting Line	Illicit discharge hotline	Business Hours 972-466-3060 After hours non-emergency 972-466-3333 Pump Station: 972-466-3425	Hotlines	Yes – These allowed citizens to report discharges 24 hours a day. Citizens actively assisted in reporting illicit discharges that the city may otherwise not have known about.
2	2-5 Construction Plans Review and Site Inspection for Illicit Connections	Construction Sites	100% new construction projects underwent site plan review and were inspected to ensure no illicit connections.	Plan Review and Inspections	Yes – Ensured that there were no illicit connections to the storm drain system during the building process, especially through the inspection phase.
2	2-6 Illegal Dumping and Litter Control	Illegal Dumping Cases Abated Incidents	22 reported illegal dumping incidents 22 cases were investigated in this reporting period. 10 of these cases were found to be valid and were abated.	Inspections Inspections	Yes – This is a direct reduction in pollution. The city responded to all reports of illegal dumping and ensured that all valid cases were remediated.

2	2.7 Liquid Waste Program	Enforcement	100% of the illegal dumping cases where there was an identifiable party was followed up by an enforcement action.	Inspections	Yes – This established a direct contact and monitoring for liquid waste generators and disposers. Liquid waste haulers were required to be permitted in the city and to use city trip tickets to verify that they were disposing of waste properly. Facilities were required to use permitted liquid waste haulers and city inspectors verified this during inspections.
	Liquid Waste Hauler Permitting inspections	Liquid Waste Hauler Permitting inspections	Permitted 86 trucks.	Inspections	
	Liquid Waste Hauler to submit tickets	Liquid Waste Hauler to submit tickets	Trip tickets were required to be submitted monthly. Enforcement actions were initiated when identified as not being completed.	Trip Tickets	
	Facilities with liquid waste hauler	Facilities with liquid waste hauler	Trip tickets were reviewed during each routine inspection.	Trip tickets	
	Inventory of septic system	Inventory of septic system	2 septic systems were filled in during this permit term.	Inventory	
	SOP for septic systems (to prevent and correct any leaking on-site sewage disposal system)	SOP for septic systems (to prevent and correct any leaking on-site sewage disposal system)	9 Septic systems remain within Carrollton SOP was maintained.	SOP	
2	2.8	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	169.27 miles of the required 167.46 miles were cleaned during this reporting period.	Miles cleaned	

Maintenance Program for Sanitary Sewers	Smoke and Dye testing	122,366 feet were smoke tested during this reporting period.	Miles Tested	
	Closed-circuit television inspections	102,144 feet were TV'd during this reporting period.	Feet inspected	
	Manhole inspections	2,349 manholes were inspected during this reporting period.	Inspections	
	Repaired manholes	328 have been repaired in this reporting period.	Repairs	
	Lift station inspections	997 inspections have been completed at the 19 sewer lift stations during this reporting period. Started in August 2021 a 20 th lift station was added and inspected.	Inspections	
	High-Risk section of sanitary sewer	The 9 sites listed on the 30-day list were cleaned monthly.	30-day List	
	Pet Waste Complaints	Received 20 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.
	Training	Three (3) employees attended the Advanced 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 72 selected outfalls for a total of 288 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 completed November 24, 2020.	SOP Review	
		Dry Weather Field Screening	Dry weather screening was conducted in March 2021 and August 2021 - September 2021.	Monitoring	
		Implementation	Implementation of this BMP is complete	Implemented	
2	2.11 Household Hazardous Waste Program	Household Hazardous Waste Program for Residents	157,619 pounds of material was collected and disposed of through this program.	Pounds disposed	Yes - This program allowed residents to dispose of their household hazardous waste properly. Having a service for household hazardous waste reduces the amount of waste that could be improperly disposed of in the environment.
2	2.12 Water Main Breaks	Response Procedures	SOP Response procedures continued to be implemented.	SOP	Yes, This BMP poses as a direct reduction of pollutants. When city staff is properly trained on water main break response procedures, employees can reduce the impact of chlorine and sediment on waterways.
2	2.13 Employee Training Detecting for Illicit Discharges	Employees	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024. Training began during this annual report year.	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	1,998 trash and debris cases were investigated.	Inspections	Yes - This program helps reduce the amount of floatables through NOVs,

	Food Inspections	1251 inspections were conducted at food establishments during this reporting period.	Inspections	inspections, and trash and debris removals or clean-ups.
Waterway clean-up & Adopt-A-Spot	484.5 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	3,157 inlets were inspected in this reporting period.	Inspections		
9000 pieces of trash removal	13,712 pieces of trash were collected in this reporting period.	Amount of Trash		
Structural controls	<p>2 structural controls</p> <p>One structural control is already in place at Josey Ranch Lake. This control collected 196 lbs. of trash and debris before it reached waterways.</p> <p>A second structural control was installed in the pond off Eisenhower and Parkwood.</p>	Locations		
Install structural control	<p>Both structural controls were installed - Josey Ranch Lake and San Chester pond.</p> <p>The control at San Chester pond off Eisenhower and Parkwood was installed on July 8, 2021.</p>	Installed devices		

		Maintenance structural control	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023. 196 lbs. of paper and plastic was collected from Josey Ranch lake structural control.	Monthly Maintenance records and pounds of trash and debris removed	
3	3-1 Ordinance for Construction Site Erosion and Sediment Controls and Enforcement	Ordinance	The city continued to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide.	Ordinance an ERP	Yes, This BMP poses as a direct reducer of pollutants. Implementing the Stormwater and Flood Protection, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide gives the city the authority to require structural controls and a basis for prohibiting illicit discharges.
		Ordinance	The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022. The Stormwater Pollution Prevention Ordinance was approved by council on January 12, 2021.	Ordinance	
3	3-2 Plan Review for Stormwater Pollution Prevention Plan (SWPPP) and Submission of NOI/CSN	Construction SOP and SWPPP submittals	An SOP is in place and both departments required a SWPPP and NOI/CSN to be submitted before a permit was issued. Both are reviewed for content.	SOP	No, This BMP poses as an indirect reducer of pollutants. Maintaining this SOP ensured all construction sites had a SWPPP for their site.

3	3-3 Construction Site Inspection	Construction Site inspection SOP	The SOP was maintained and followed for site inspection and enforcement requirements.	SOP	Yes - This ensured that each site had a SWPPP and stormwater BMP's were installed and maintained.
		Construction site Inspections	Inspections of active construction sites that were greater or equal to 1 acre or are part of the larger common plan of development were completed in this reporting period.	Inspections	
3	3-4 Response to Citizen Complaints	Inspection Requests Hotline	Inspection Requests Hotline 972 -466 - 3370	Hotlines	Yes - The hotline provided a means for the public to report problems at construction sites and allowed the city to respond quickly, especially when there was an illicit discharge.
3	3-5 Stormwater Information Package for Construction Site Operators	Construction Educational Packet	24 preconstruction meetings 24 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	24 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 review began in August 2021.	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 Structural BMP Inspections Enforcement	A list of structural BMP's to be inspected was maintained. The city continued to implement procedures and methods to ensure the long-term maintenance of city structural BMPs. 12 post-construction structural controls were inspected in this reporting period. No enforcement was taken	List of structural BMPs SOP Inspections Enforcement records	Yes - This BMP poses as a direct reduction of pollutants. Inspections ensure structural BMPs are functioning properly or require deficiencies to be repaired.
4	4-3 Construction Site Plan Review	Site plan review SOP	Site plan review was performed on 100% of new and redeveloped projects. SOP for Construction Site Plan Review was maintained and followed	SOP 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.
4	4-4 Green Space Preservation	Ordinance	The green space preservation policies applied to 100% of new projects in this reporting term.	Ordinance	Yes - This BMP poses as a direct reduction of pollutants. Maintaining and implementing the green space preservation policy ensures that these new construction sites will re-dedicate green spaces at new/ redeveloped sites. Green spaces act as a natural erosion control.
4	4-5 Tree Preservation Ordinance	Ordinance	The Tree Preservation Ordinance continued to be implemented in this reporting period	Ordinance	Yes - This BMP poses as a direct reduction of pollutants. Maintaining and implementing the tree preservation ordinance provides small but essential green spaces that break up impervious

					surfaces and provides runoff filtration. Trees act as a natural erosion control.
4	4.6 Inspection of Structural BMPs during Construction	Construction Structural Control BMP Inspections	See Section 3-3 Construction Site Inspection.	Inspections	Yes - This BMP poses as a direct reduction of pollutants. Ensuring structural BMPs are installed properly causes a reduction of pollutants.
4	4.7 Limited Mowing Height	Mowed at minimum height	Mowers were set for a minimum height of 2.5 inches.	Mowing SOP	Yes - This requirement protected the soil from erosion and allowed for additional infiltration, reducing runoff, and trapping some floatables.
5	5.1 Parks and Open Space Maintenance	200 days of trash removal and park maintenance	Mowing crews picked up trash; used mulching mowers; leaf blowers were used to blow clippings back onto the grass at least 200 days in this reporting period according to their schedule. The net at Josey Ranch collected 196 lbs. of paper and plastic items in this reporting period.	Schedule and yard waste maintenance	Yes - This program reduced the amount of pollutants from city parks and Parks operations. In addition to the normal trash pick up the crews used mulching mowers; leaf blowers were used to blow clippings back onto the grass, used buffer zones, planted native plants, followed chemical application plans, and properly disposed of chemicals.
		Buffer no mow zones	16 buffer and no mow zones to help with erosion and pollutant removal.	Buffer zones	
		Landscaping native species & mowing restrictions	Parks purchased a wildflower mix on September 20, 2021 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	

5	5-2 Road and Bridge Maintenance	<p>Pollutants of Concern</p> <p>IPMP Plan for pesticides and fertilizers</p> <p>Disposal for Chemicals</p> <p>Licensed Pesticide Applicators and Irrigators</p>	<p>A list of pollutants of concern from mowing, chemical application, and planting vegetation was maintained.</p> <p>The Integrated Pest Management Plans continued to be implemented for Animal Services and Parks and Recreation.</p> <p>The SOP was maintained and followed.</p> <p>9 Licensed Pesticide Applicators (Parks 6, Animal Services 1, ICGC 2)</p> <p>3 Irrigation Technicians (Parks 3 Technicians).</p>	<p>List of pollutants</p> <p>IPMP Plan</p> <p>SOP</p> <p>Licenses</p>	
		<p>Street sweepings</p> <p>Street sweeping SOP</p> <p>Trash removal</p> <p>Road and Bridge Repair SOP</p>	<p>2,317.41 curb miles were swept from October 2020 – June 2021. During July 2021 – September 2021 a new bid was put out to other sweeping services due to existing contract resigning mid-year.</p> <p>The SOP for street sweeping waste material disposal was maintained. Verification of disposal methods will be completed by January 24, 2022.</p> <p>13,712 pieces of trash were collected in this reporting period.</p> <p>The erosion and pollution prevention guidelines from road and bridge repair operations were maintained and followed.</p>	<p>Sweeping records</p> <p>Contracts</p> <p>Amount of trash removed</p> <p>SOP</p>	<p>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.</p>

	Pollutants of concern	List of Pollutants of concern from road and bridge maintenance was maintained.	List of pollutants	
5 5-3 Fleet Maintenance	Fleet Inspections & SPCC	Inspections at maintenance and fueling facilities continued.	Inspections	Yes – This reduced the impact the city's fleet maintenance had on the environment with the collection, recycling, and proper disposal of its various waste streams.
	SOP for maintenance facilities	The SOPs for each of the three maintenance facilities were maintained.	SOPs	
	Vehicle washing	City vehicles and equipment were washed at the wash bays or a contracted commercial facility.	SOPs	
	Vehicle Washing SOP	The SOP for vehicle and equipment washing was maintained.	SOPs	
	Sand Trap Servicing and Leaking Vehicle BMPs	Traps were serviced as required, wash bays are under cover, spill response and pollution prevention plans were continued, spill kits and signs were maintained, the plan to address leaks from vehicles during normal use by a city employee continued.	Trip Tickets and forms	
	Parts & Materials Storage	Fleet stores all materials under cover or inside the building except repaired vehicles and vehicles to be repaired. Recycling continued for used oil, antifreeze, oil filters, used tires, batteries, cardboard, spent solvent, and scrap metal.	SOPs	

		Leaking vehicle form	Forms continued to be signed by all employees during New Employee Orientation (NEO).	Leaking vehicle forms	
	Inspection Central Service Center and Public Works Yard	Inspection Central Service Center and Public Works Yard	The annual inspection was completed on June 3, 2021 and July 13, 2021.	Inspections	
	Indian Creek Golf Course Quarterly Inspections	Indian Creek Golf Course Quarterly Inspections	Inspections were performed quarterly.	Inspections	
5	5-4 Municipal Buildings and Parking Lots Maintenance	SPCC	SPCC and the pollution prevention plan continued to be implemented. Waste reduction and recycling options continued for office materials at city facilities.	SPCC	Yes – This reduced the impact the city had on the environment during building and parking lot maintenance.
	Municipal building, and parking lot inspections	Municipal building, and parking lot inspections	Municipal buildings, parking lots and the public works yard were inspected in this fiscal year.	Inspections	
	Spill Response	Spill Response	The spill response manual was reviewed in this permit term.	SOP	
	Pollutants of Concern	Pollutants of Concern	A List of pollutants of concern from municipal building and parking lots maintenance has been maintained.	List of Pollutants	
5	5-5	Channel Inspections	During this reporting period 100% of the city-maintained channels were inspected.	Inspections	Yes – Routine inspections helped determine if there were problems with the stormwater system, then the areas

	Storm Sewer System Maintenance	3,157 inlets were inspected.	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 the environment. The program continued but no items were recycled during this reporting period.
	Procedures	Procedures are in place and continue to be implemented to collect and recycle batteries from deployed equipment including cell phones, two-way radios, and uninterruptible power supply.	SOP
5	5-7 Grease, Sand and Grit Trap Maintenance	Cleaning of traps All city traps/interceptors are being pumped in accordance with the city ordinance or variance approval through Environmental Services.	Trip Ticket records Yes – Maintaining the grease/grit traps helped prevent SSO's from city facilities.
5	5.8	Salt and Deicer SOP 3300 gallons of liquid deicer and 509,000lb of sand was used in this reporting period.	Amount of Deicer used Yes – Proper storage, application, and cleanup prevented unnecessary pollution during icy conditions.

5	Sand Storage Locations	MSDS for Salt and Deicer	SDSs were maintained on site.	SDS Records	
	Controls for Sand and Salt	Pollutants of Concern	Controls were in place for sand, salt, and liquid deicer. List of pollutants of concern from the three materials used was maintained.	SOP	
	Public Works SOP	Sand, Salt, and Liquid Deicer Control Inspections	Written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP were included in the SOP for the Public Works yard. Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.	List of pollutants	
	City Facility Inventory	Maps of city owned facilities	An inventory of city owned facilities was maintained. A map of city owned facilities & other stormwater controls was maintained.	SOP	
	Assessment of high priority facilities	High Priority Facilities	High Priority Facility inspections were completed on July 14, 2021.	Inspections	
	High Priority Facilities		2 new facilities were added: Fire Station #7 and Mcinnish Dog Park. <ul style="list-style-type: none"> • Bobby Ballard Pump Station • Central Service Center (fleet, fuel station, Public Works Yard) 	City map	
	5-9 City Owned Facilities			Inventory	Yes – Through inspections and best management practices (BMPs) the amount of pollution from city facilities was reduced, especially at high priority facilities.

	<ul style="list-style-type: none"> • Indian Creek Golf Club • Rosemeade Rec Center, Park & Dog Park • PD Fuel Station • Sandy Lake Service Center • Mcinnish Dog Park • South Service Center • Fire Station #7 		
5	5-10 Structural Control Maintenance and Waste Disposal	<p>Facility Specific SOP Review</p> <p>SOP for New High Priority Facilities</p> <p>High Priority inspections</p> <p>Inventory</p> <p>Inspections</p>	<p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p> <p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p> <p>All 10 high priority facilities were inspected during this reporting period.</p> <p>Inventory of structural controls was maintained.</p> <p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.</p>
		<p>SOP</p> <p>SOP</p> <p>Inspections</p> <p>Inventory list</p> <p>Inspections</p>	<p>Yes – Maintaining city owned and operated structural controls reduced pollutants in creeks from city facilities.</p>

5	5-11 New Construction and Land Disturbance	TPDES Construction General Permit Comply with Requirements	The city complied with TPDES construction permit requirements for those projects that were applicable. Contractors were required to comply with the TPDES construction permit requirements.	SWPPP TPDES construction general permit SWPPP Ordinance and TPDES construction general permit	Yes, this acted as a direct reduction of pollutants. Requiring construction sites and contractors to follow the TPDES construction general permit reduces pollutants from construction sites.
5	5-12 Contractor Oversight Procedures	List of contractors Contractually require Stormwater Compliance Oversite protocol	List of contractors was maintained. Contractors were required to comply with stormwater control measures, good housekeeping practices, and facility-specific SOPs. Oversite procedures continued during this reporting period.	List of contractors Contract Wording Inspections	Yes, This BMP poses as a direct reduction of pollutants. Maintaining a list of contractors and conducting oversight inspections ensured contractors complied with the stormwater ordinance, good housekeeping practices, and facility-specific SOPs.
5	5-13 Fire Fighting Training Activities	BMPs for firefighting training	Fire Department continued to implement BMPs during training activities.	SOP	Yes - This reduced pollutants, chlorine and other chemicals, from being discharged into the storm drain or creek during training activities.
5	5-14 Employee Stormwater Pollution Prevention Training Program	NCTCOG Pollution Prevention Taskforce Pollution Prevention Training	Staff attended the NCTCOG Pollution Prevention Task Force Meetings and participated in developing training materials. There was one meetings this reporting period: July 1, 2021. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022 and January 24, 2024.	Meeting sign in sheets Training 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. 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

<p>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.</p>			<p>Training was started during this annual reporting year.</p>		
<p>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.</p>	<p>List of flood controls</p>	<p>A list was created and approved on November 25, 2020.</p>	<p>List of flood control devices</p>		
<p>Inspections</p>	<p>Inspections</p>	<p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p>	<p>Evaluate structure control</p>		
<p>Plan</p>	<p>Plan</p>	<p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.</p>	<p>Develop plan for retrofitting</p>		
<p>Project plans</p>	<p>Project plans</p>	<p>Impacts of receiving waters for all new flood control projects will be reviewed when designed.</p>	<p>Assessment of new flood control projects</p>		
<p>SOPs</p>	<p>SOPs</p>	<p>All of the new flood control structures would be required to be designed, constructed, and maintained to provide erosion prevention ad pollutant removal from stormwater; however, no new structural flood controls were installed in this reporting period.</p>	<p>New structural flood control requirements</p>		
<p>Inspections</p>	<p>Inspections</p>	<p>During this reporting period the city conducted 108 inspections at industries.</p>	<p>Inspect industrial facilities</p>		
<p>Yes – Inspections provide direct observations and contact for potential or actual discharges with the industries in the city. Inspections required</p>	<p>Inspections</p>	<p>6.1</p>	<p>Inspection of Industrial Facilities</p>		
<p>6</p>	<p>Inspections</p>	<p>6.1</p>	<p>Inspection of Industrial Facilities</p>		

	corrective actions and follow-ups for violations seen. Coverage under the MSGP is maintained for each applicable industry	Surveys and Inspections	Industries have been identified and required to obtain coverage under the MSGP during inspections. The waste survey is done every 3 years.	NPDES TPDES MSGP Compliance	
6	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).	Inventory list	An inventory of grease/grit traps has been maintained.	Inventory	6.2 Inventory/ Inspection of Commercial Facilities
		Inspections	The city performed 1251 inspections at food establishments this reporting period.	Food establishment grease trap	
		Inspections	The city inspected 26 commercial facilities during this reporting period.	Commercial Inspections	
		Inspections	All 596 grease/grit traps have been inspected during this reporting period.	Grease/ grit trap inspections	
		Complete	BMP Implemented	Implementation	

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


MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1.1 Stormwater Reading	1. Distribute copies of brochures to all display racks at city buildings and at all public events and presentations. (200 per year).	Exceeded Goal – In this reporting period the city distributed 798 brochures and educational materials from display racks and educational events. Employees investigated 2,538 cases on proper disposal of grass clippings and 1,998 regarding trash and debris.

Materials	<p>2. News briefs in local paper or mailers/utility bill inserts twice a year.</p> <p>3. Continue to update and distribute the stormwater letters to all apartment managers currently in the database.</p>	<p>Exceeded Goal – In this reporting period thirty-three (33) articles appeared 138 times in newsletters, local newspaper, city website, Facebook, Twitter, and Netbill throughout this reporting period.</p> <p>Met Goal – The stormwater letters were mailed to apartment complexes or managers. Each of the 95 complexes within Carrollton received a letter.</p>
1.2 Public Presentations	<p>1. Four presentations or outreach activities per year.</p>	<p>Exceeded Goal – Conducted 11 presentations or outreach activities in this reporting period.</p>
1.3 Promotional Items	<p>1. Distribute 200 promotional items per year.</p>	<p>Exceeded Goal – During this reporting period staff distributed 3,344 promotional items.</p>
1.4 Annual “March is Texas SmartScape™ Month”	<p>1. Determine a level of participation in the regional “March is Texas SmartScape™ Month” program based on available resources and select an outreach activity to conduct. Complete coordination with NCTCOG annually and conduct the selected activity(ies) annually in March. Repeat each year.</p>	<p>Met Goal – In February 2021, 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. Two SmartScape display windows were up for the entire month of March at the Hebron & Josey Library and Josey Ranch Lake Library. During the time the libraries were open staff distributed 152 SmartScape bookmarks and pamphlets. According to NCTCOG, Carrollton had 2,578 Sessions with 70% new sessions on the SmartScape website.</p>

<p>1.5 Environmental Education for Commercial and Industrial Facilities</p>	<p>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.</p> <p>2. Hold annual industry meeting.</p>	<p>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.</p> <p>Three newsletters for industrial and commercial facilities were developed and distributed in October 2020, February 2021, and September 2021.</p> <p>Met Goal – The annual industry meeting was held on August 24, 2021.</p>
<p>1.6 Environmental Education for Construction Site Personnel</p>	<p>1. Distribute information packet to 100% of applicants for a grading or building permit.</p>	<p>Met Goal – Distributed stormwater information during the 24 preconstruction meetings.</p>
<p>1.7 Storm Drain Marking</p>	<p>1. Placement or replacement of 100 markers per year.</p>	<p>Exceeded Goal – City employees placed 144 markers in this reporting period.</p>
<p>1.8 Stormwater and Pollution Prevention Videos and Public Service Announcements</p>	<p>1. Continue broadcast of Stormwater Management video or PSA's on local cable public access channel and on the stormwater webpage.</p> <p>2. Evaluate acquisition of other videos and incorporate to video library if appropriate.</p> <p>3. Maintain library of videos annually. Include information on the web site.</p>	<p>Goal Not Met –The cable slides and PSAs which normally run every day at 6:45pm did not run from October 1, 2020 – May 31, 2021 as this system was unrecoverable and had to be rebuilt due to the citywide cyber attack in October 2019. However once the system was rebuilt and up and running, 4 videos were played during this reporting period from June 2021 – September 2021: Pool Care, Litter Control, Lawn Watering, and Lawn Care. Stormwater videos are posted on the stormwater web page.</p> <p>Met Goal – 0 new videos were acquired during this reporting period. No new acquisitions received.</p> <p>Met Goal – A library of videos is available and posted on the stormwater website.</p>

<p>https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/storm-water-videos</p>	<p>Met Goal – TCEQ Grease posters were given to all new food establishments applying for a food permit via a folder with other pertinent information in this report period. They were also redistributed during routine inspections as needed.</p> <p>Goal Met – Educational letters have been distributed to all 95 apartment managers in conjunction with their annual inspection notice in this reporting period.</p> <p>Goal Met – This was checked during each routine inspection for applicable establishments and documented on the inspection sheet. New posters were distributed as needed.</p> <p>Met Goal – 2,800 Grease control flyers were distributed in September 2021 to all multi-family complexes.</p> <p>Met Goal – 3 industries were identified as needing Notice of Violations during this reporting period.</p> <p>Exceeded Goal – 7 articles on grease control appeared in various news media 18 times, these included the city newsletter, city website, Facebook, Twitter, and Netbill.</p> <p>Goal Met – Grease control information is available on the website at the following link: http://www.cityofcarrollton.com/departments/departments-g-p/public-works/fat-free-sewers.</p> <p>Exceeded Goal – 8 presentations or educational events were conducted during this reporting period.</p> <p>Met Goal – One article/newsletter was developed and ran in November 2020 On the Horizon Newsletter.</p> <p>Met Goal – The household hazardous waste article ran in the November 2020 edition of the On the Horizon newsletter. It reached 49,919 subscribers via NetBill and 43,000 via mailer.</p> <p>Met Goal – Posted on the web page at: https://www.cityofcarrollton.com/departments/departments-q-z/trash-recycling/household-hazardous-waste.</p>
<p>1.9 TCEQ FOG Initiative</p>	<ol style="list-style-type: none"> 1. Distribute a TCEQ Grease poster to every new and existing restaurant currently in database listed as having a grease trap at least once a year. 2. Distribute an educational letter to every manager of an apartment complex currently in the database at least once every year. 3. Routine inspections for posters displayed and redistribute posters as needed for every restaurant currently in database at least once per year. 4. Distribute grease control information to tenants in all multifamily complexes yearly. 5. Distribute grease control information to 100% of industries with grease violations yearly if applicable. 6. Grease control information provided in water bills, the city newsletter or on social media three times a year. 7. Information posted on the city website every day of the year. 8. Three presentations or outreach activities per year.
<p>1.10 Household Hazardous Waste Site</p>	<ol style="list-style-type: none"> 1. Develop one mailer or water bill insert per year. 2. Distribute mailers or water bill inserts to 32,000 residents yearly. 3. Post information on the web page every day of the year.

<p>1.11 Pet Waste Education</p>	<p>1. Distribute to all residents adopting or reclaiming a pet, at presentations, and public events. Post information on the website.</p>	<p>Met Goal – The following educational items were distributed at Animal Services and public events/presentations: bookmarks – 120; Pet waste containers with bags – 55; Animal Ownership brochures – 349. Pet waste removal information was posted on the website at https://www.cityofcarrollton.com/departments/departments-a-f/animals-services/animal-ordinances</p>
<p>1.12 Environmental Services Website</p>	<p>2. Maintain 52 signs and 25 pet waste stations at the dog parks and greenbelts/trails as needed.</p>	<p>Met Goal – 52 Signs and 25 pet waste stations were maintained. The locations for pet waste stations were Mary Heads Carter(2), Clifford Hall (1), Harvest run (2), Harold Bessire (1), Oak Creek (1), Josey Ranch Library (1), Rosemeade Dog Park (5), McInnish Dog Park (9), and Downtown Regional Detention Pond(3).</p>
<p>1.13 Electronic Newsletter for City Employees</p>	<p>1. Information posted on the webpage will be available every day of the year.</p> <p>2. SWMP posted on the web page.</p> <p>3. Annual reports posted on the webpage.</p>	<p>Met Goal – the website is updated as needed. http://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services.</p> <p>On Track – The approved SWMP draft is currently posted on the City of Carrollton web page. The SWMP will be posted on the webpage within 30 days of SWMP approval date.</p> <p>Met Goal – Annual report for year 2, October 1, 2020 – September 20, 2021, posted on the City of Carrollton Stormwater webpage on December 16, 2020. Annual reports will be posted on webpage within 30 days after due date of each of the 5 annual reports.</p> <p>Exceeded Goal – During this reporting period five newsletters were developed and distributed in October 2020, December 2020, February 2021, April 2021, and September 2021.</p>
<p>1.14 Environmental Educational Schools.</p>	<p>1. Develop and distribute a list of programs available to the three public school districts in Carrollton yearly.</p>	<p>Met Goal – The information packet on the Water/Environmental education programs was emailed in January 2021 to CFBISD and LISD, SWMP was not changed to state all three districts would be included until after TCEQ review date but did not require the NOC. CFBISD, LISD, and DISD were all sent the information in August 2021.</p>

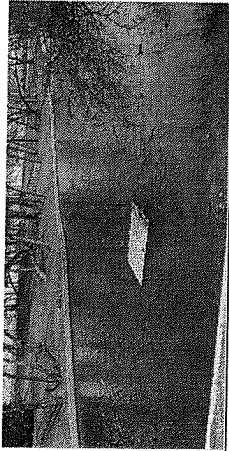
<p>1.15 Comply with State and Local Public Notice Requirements</p>	<p>1. Publish notice of TCEQ determination on NOI and SWMP. 2. Publish notice of Public Meeting if determined to be necessary by TCEQ.</p>	<p>The new 2019-2024 permit has not been approved by TCEQ. The 2019 – 2024 Stormwater Management Plan states this item must be complete in year 1-2 as determined by TCEQ. The new 2019-2024 permit has not been approved by TCEQ. Once they approve the NOI and SWMP, this item will be completed in year 1-2 as determined by TCEQ.</p>
<p>1.16 Presentation of SWMP</p>	<p>1. One public presentation to introduce approved SWMP within 90 days from written receipt of TCEQ's approval of the SWMP. 2. One public presentation in the 5th year of the permit term to update/evaluate SWMP for the next permit term.</p>	<p>On Track – The new 2019-2024 permit has not been approved by TCEQ. The due date is 90 days after TCEQ's approval of SWMP. The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.</p>
<p>1.17 Illicit Discharge Reporting Line</p>	<p>1. The "hotline" to report illicit discharges is available every day of the year.</p>	<p>Met Goal – The 3-reporting lines were active during this reporting period.</p> 
<p>1.18 Volunteer Creek and Greenbelt Cleanup, Recycling and Chemical Collection</p>	<p>1. City hosts one annual creek clean-up, recycling day, or chemical collection day.</p>	<p>Exceeded Goal – In this reporting period: Creek clean-ups had 29 volunteers/volunteer groups pick up trash on 160 different days and collect 484.5 bags of trash; the Adopt-A-Spot program had 7 new locations adopted for a total of 20 adopted locations. Staff participated in 2 drugs take back collection event on October 24, 2020, and April 24, 2021, collected 77 boxes containing 1623 lbs. of materials. The city hosted the Cease the Grease event On November 30 and December 1, 2020 and collected 551.25 gallons of oil. The Community Cleanup and Wildflower event collected 38 bags of trash and debris on September 25, 2021.</p>

	<p>2. Provide volunteers opportunities to reduce litter in waterways and greenbelts.</p>	<p>Met Goal – The city offers two litter reduction programs Adopt-A-Spot and Waterway Clean Up. These opportunities are posted on JustServe: (https://www.justserve.org/projects) and the city webpage: (https://www.cityofcarrollton.com/departments/departments-a-f-environmental-quality-services/stormwater/volunteer-opportunities).</p>
<p>1.19 Citizens Advisory Committee</p>	<p>1. Annual meetings with Citizen Advisory Committee. 2. Select Stormwater topic 3. Develop Educational Materials 4. Distribute to Residents</p>	<p>Met Goal – Completed August 26, 2021. 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.</p>
<p>2.1 Storm Sewer System Map</p>	<p>1. Verification of new or newly discovered outfalls. 2. Map continuously updated as new data is obtained.</p>	<p>Met Goal – total of 1,240 outfalls. Met Goal – IT updated the maps as new data is obtained.</p>
<p>2.2 Stormwater Pollution Prevention Ordinance and Enforcement Response Guide</p>	<p>1. Review and revise (if needed) the Stormwater 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.</p>	<p>Met Goal - Ordinance revisions were complete on September 11, 2020. Met Goal - Ordinance was adopted by council on January 12, 2021. Met Goal – Enforcement Response Guide/SOP was continually implemented.</p>
<p>2.3 Spill/Emergency Response</p>	<p>1. Respond to spills within 1 hour 95% of the time. 2. Review and revise the spill response manual once during the permit term. Revise if necessary.</p>	<p>Met Goal – In this reporting period, staff responded to approximately 107 spills or discharges within 1 hour 95% of the time. Met Goal - Spill Response Manual was updated in August, September, and October 2020.</p>
<p>2.4 Illicit Discharge Reporting Line</p>	<p>1. This BMP has been discussed in a previous section on the Public Participation and Involvement Minimum Control Measure, as BMP1.17. Achievements in this reporting period are described in said section.</p>	<p>Met Goal – See BMP 1.17</p>

<p>2.5 Construction Plans Review and Site Inspection for Illicit Connections</p>	<p>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.</p>	<p>Met Goal – 100% new construction projects underwent site plan review and were inspected to ensure no illicit connections.</p>
<p>2.6 Illegal Dumping</p>	<p>1. 90% active illegal dumping incidents respond within one hour. 2. 100% abatement of illegal dumping incidents. 3. 100% incidents with identifiable responsible party to be followed by enforcement action.</p>	<p>Met Goal – There were 22 illegal dumping incidents. All active illegal dumping cases were responded to within an hour. Met Goal – 10 out of the 22 cases during this reporting period have been abated. The other 10 cases were found invalid and 2 were referred to other departments. Met Goal – 100% of the illegal dumping cases where there was an identifiable party was followed up by an enforcement action.</p>
<p>2.7 Liquid Waste Program</p>	<p>1. 100% permitted liquid waste haulers inspected once a year. 2. 100% permitted liquid waste haulers to submit used tickets monthly. 3. 100% identified facilities to use a permitted liquid waste hauler. 4. Review and update if necessary, the inventory of septic tanks in the city once per term. 5. Maintain the SOP to prevent and correct any leaking on-site sewage disposal system.</p>	<p>Met Goal – Permitted 86 trucks. Met Goal – Trip tickets were required to be submitted monthly. Enforcement actions were initiated when identified as not being completed. No NOVs were issued for either not having a permit or not filling out/submitting trip tickets properly. Met Goal – Trip tickets are reviewed during each routine inspection. Met Goal – Reviewed and updated on October 22, 2020. Met Goal – SOP was maintained.</p>
<p>2.8 Maintenance Program for Sanitary Sewers</p>	<p>1. Annual maintenance and inspection of the sanitary sewer system. 2. Clean miles of sewer lines based on the 5-year cycle. (Year 4 of the cycle was 138 miles to be cleaned) 3. Smoke and dye testing of 100,000 feet per year.</p>	<p>Met Goal – Annual maintenance and inspections of sanitary sewer system continued this reporting period. Exceeded Goal – 169.27 miles of the required 167.46 miles were cleaned during this reporting period. Exceeded Goal – 122,366 miles of smoke and dye testing was completed during this reporting period.</p>

	<p>4. Conduct closed-circuit television inspections of 100,000 feet per year.</p> <p>5. Inspect 2,100 manholes per year.</p> <p>6. Repair and/or bring to grade 300 manholes per year.</p> <p>7. Lift stations inspected monthly.</p> <p>8. Tag high-risk sections of sanitary sewer system for inspection/ maintenance every 30 days (i.e., Maintain 30-day list). Review annually.</p>	<p>Exceeded Goal – 102,144 feet were TV'd during this reporting period.</p> <p>Exceeded Goal – 2,349 manholes were inspected during this reporting period.</p> <p>Exceeded Goal – 328 have been repaired in this reporting period.</p> <p>Exceeded Goal – 997 inspections have been completed at the 19 sewer lift stations during this reporting period. Started in August 2021 a 20th lift station was added and inspected.</p> <p>Met Goal – The 9 sites on the 30-day list was maintained every month.</p>
<p>2.9 Pet Waste Management</p> <p>2.10 Dry Weather Discharge Screening</p>	<p>1. Investigate all (100%) complaints received regarding improper disposal of pet waste.</p> <p>1. All Environmental Quality full time employees or consultants will attend the NCTCOG regional dry weather screening protocol training at least once. Refreshers will be done as needed.</p> <p>2. Determine the priority locations for screening and have a map of the areas.</p> <p>3. Review and revise the Dry Weather Field Screening Manual once during the permit term.</p> <p>4. Continue Dry Weather Field Screening at the priority locations.</p> <p>5. Implementation Complete.</p>	<p>Met Goal – Received 20 complaints and all were investigated.</p> <p>Met Goal – Three (3) employees attended the Advanced training on July 27, 2021. Carrollton also assisted in developing the course with NCTCOG and participated in presenting at this event.</p> <p>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.</p> <p>Met Goal – Dry Weather Field Screening Manual was reviewed and updated on November 24, 2020.</p> <p>Met Goal – Dry weather screening was conducted twice in this reporting period during March 2021, August 2021 - September 2021.</p> <p>Met Goal – BMP has been implemented.</p>
<p>2.11</p>	<p>1. Provide a household hazardous waste disposal program for 100% of single-family residents in Carrollton. The</p>	<p>Met Goal – Service was provided through Waste Management and Republic www.cityofcarrollton.com/departments/q-</p>

Household Hazardous Waste Program	number of households that use the program and the pounds collected will be tracked monthly.	<u>z/trash-recycling/household-hazardous-waste</u> . In this reporting period, residents disposed of 157,619 pounds of materials through this program.
2.12	1. Response procedures in place.	Met Goal – Response procedures continued to be implemented.
Water Main Breaks 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 completed the 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. 2. 100% of food establishment's dumpsters inspected for lids, drain plugs, and ground free of litter. 3. Waterway Cleanup Program and Adopt-A-Spot Volunteer Programs available all year.	Met Goal – In this reporting period 1,998 trash and debris cases were investigated. Exceeded Goal – Dumpster and dumpster areas were during routine food establishment's inspection for those that were due in this reporting period. The city performed 1,251 inspections out of the 669 food establishments this reporting period. Goal Met – Adopt-A-Spot and Waterway Clean-up programs were available during this reporting period. These opportunities were posted on JustServe (https://www.justserve.org/projects), and the city webpage (https://www.cityofcarrollton.com/departments/departments-a-f/environmental-quality-services/stormwater/volunteer-opportunities). The programs are also promoted at public events. Volunteers collected 484.5 bags of trash in this reporting period.

<p>4. Parks picks up trash at least 200 days per year.</p>	<p>Goal Met – Trash was picked up by Parks per their schedule in the reporting period.</p>
<p>5. Inspect 3,154 storm inlets per year.</p>	<p>Exceeded Goal – In this reporting period 3,157 inlets were inspected in this reporting period. 108 inlets were cleaned.</p>
<p>6. 9,000 pieces of trash collected from the roadways per year. Monthly trash removal from I-35.</p>	<p>Exceeded Goal – 13,712 pieces of trash were collected in this reporting period.</p>
<p>7. Determine the locations and device for 2 structural controls.</p>	<p>Met Goal - One structural control is already in place at Josey Ranch Lake.</p> <p>The second structural control is located in the pond off Eisenhower and Parkwood at San Chester Park.</p> 
<p>8. Install 2 structural controls.</p>	<p>Met Goal – Both Structural controls have been installed.</p>
<p>9. Maintain structural controls at least twice per year and determine amount removed.</p>	<p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p> <p>The city-maintained the net at Josey Ranch monthly and collected 196 lbs. of paper and plastic items in this reporting period.</p>

<p>3.1 Ordinance for Construction Site Erosion and Sediment Controls and Enforcement</p>	<p>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.</p>	<p>Met Goal – The city continued to implement the Stormwater and Flood Protection Ordinance, the Stormwater Pollution Prevention Ordinance, and the Enforcement Response Guide. 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. Ordinance changes were adopted by Council on January 12, 2021,</p>
<p>3.2 Plan Review for Stormwater Pollution Prevention Plan (SWPPP) and Submission of NOI/CSN</p>	<p>1. Maintain SOP for construction plan review. Obtain and review CSN/NOI and SWP3 of all (100%) construction sites required to obtain a NPDES/TPDES stormwater permit for construction activities of one acre and greater, including the larger common plan of development.</p>	<p>Met Goal – An SOP was in place and both departments required a SWPPP and NOI/CSN to be submitted before a permit was issued. Both are reviewed for content.</p>
<p>3.3 Construction Site Inspection</p>	<p>1. Maintain SOP for site inspection and enforcement requirements. 2. Conduct documented inspections of 100% of construction sites greater than 1 acre or part of the larger common plan of development at least once during the active phase of construction.</p>	<p>Met Goal – SOP was maintained for site inspection and enforcement requirements. Met Goal – Inspections of active construction sites that were greater or equal to 1 acre or are part of the larger common plan of development were completed in this reporting period.</p>
<p>3.4</p>	<p>1. Maintain "hotline" for construction site concerns.</p>	<p>Met Goal – The "hotline" has been maintained for receiving citizen complaints which is the city's main line or the appropriate department's line.</p>

Response to Citizen Complaints		
3-5 Stormwater Information Package for Construction Site Operators	1. Distribute the educational material described in 1.6 to all construction sites regardless of size applying for a grading or building permit through Engineering and Building Inspection.	Met Goal – The information was distributed to all construction site operators at the preconstruction meetings during this reporting period – 24 packets distributed.
3-6 Preconstruction Meetings	1. Conduct preconstruction meetings with all (100%) applicants that apply for a grading or building permit.	Met Goal – 24 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. 2. Yearly review of the General Design Standards. 3. Review the ERG once during the permit term. Update if needed.	Met Goal – The city continued to implement the Stormwater and Flood Protection Ordinance on 100% of applicable projects. Met Goal – The General design standards review began in August 2021. 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. 2. Receipt of Maintenance Plan for structural controls installed on a site or filed as required in the deed for the property.	Met Goal – A list of structural BMP's to be inspected was maintained. Met Goal - The city continued to implement procedures and methods to ensure the long-term maintenance of city structural BMPs.

	<p>3. Documented inspections of 10 post construction structural controls per year.</p>	<p>Exceeded Goal – 12 post-construction structural controls were inspected in this reporting period.</p>
	<p>4. Document and maintain records of enforcement actions for post construction structural controls.</p>	<p>Met Goal – No enforcement actions were required during this reporting period.</p>
4-3	<p>1. Site plan review of 100% new development/redevelopment projects.</p>	<p>Met Goal – Site plan review was performed on 100% of new and redeveloped projects.</p>
Construction Site Plan Review	<p>2. Maintain SOP for Construction Site Plan Review.</p>	<p>Met Goal – SOP for Construction Site Plan Review was maintained and followed.</p>
4-4	<p>1. Implementation of green space preservation policies in 100% new projects.</p>	<p>Met Goal - The green space preservation policies applied to 100% of new projects in this reporting term.</p>
Green Space Preservation	<p>1. Implementation of Tree Preservation Ordinance in 100% new projects.</p>	<p>Met Goal - The Tree Preservation Ordinance continued to be implemented in this reporting period.</p>
4-5	<p>1. Implementation of Tree Preservation Ordinance in 100% new projects.</p>	<p>Met Goal - The Tree Preservation Ordinance continued to be implemented in this reporting period.</p>
Tree Preservation Ordinance	<p>See section 3-3, Construction Site Inspection.</p>	<p>Met Goal - See Section 3-3 Construction Site Inspection.</p>
4-6	<p>See section 3-3, Construction Site Inspection.</p>	<p>Met Goal - See Section 3-3 Construction Site Inspection.</p>
Inspection of Structural BMPs during Construction	<p>1. All park areas will be mowed at a frequency to ensure a minimum height of 2.5 inches of ground coverage.</p>	<p>Met Goal - Mowers were set for a minimum height of 2.5 inches.</p>
4-7	<p>1. All park areas will be mowed at a frequency to ensure a minimum height of 2.5 inches of ground coverage.</p>	<p>Met Goal - Mowers were set for a minimum height of 2.5 inches.</p>
Limited Mowing Height		

<p>5-1 Parks and Open Space Maintenance</p>	<p>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.</p> <p>2. Buffer zones and no mow zones.</p> <p>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.</p> <p>4. Maintain schedules for chemical application on all public spaces.</p> <p>5. Maintain a list of pollutants of concern from mowing, chemical application and planting vegetation.</p> <p>6. Continue to implement the Integrated Pest Management Plan.</p> <p>7. Maintain SOP for proper disposal method of unused pesticides, herbicides and fertilizers.</p> <p>8. Maintain Licensed Pesticide Applicators and Licensed Irrigators.</p>	<p>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 196 lbs. of paper and plastic items in this reporting period.</p> <p>Met Goal – The city had 16 buffer and no mow zones to help with erosion and pollutant removal in this reporting period.</p> <p>Met Goal – Parks purchased a wildflower mix on September 20, 2021 which continued the implementation of native species landscaping. Mowing height restrictions continued at 2-5 inches.</p> <p>Met Goal – A schedule for chemical application on all public spaces was maintained and implemented.</p> <p>Met Goal – A list of pollutants of concern from mowing, chemical application, and planting vegetation was maintained.</p> <p>Met Goal – The Integrated Pest Management Plans continued to be implemented for Animal Services and Parks and Recreation.</p> <p>Met Goal – The SOP was maintained and followed.</p> <p>Met Goal – The city had 9 Licensed Pesticide Applicators (Parks 6, Animal Services 1, ICGC 2) 3 Irrigation Technicians (Parks 3 Technicians).</p>
<p>5.2 Road and Bridge Maintenance</p>	<p>1. Major arterials swept once a month, including the selected municipal parking lots.</p> <p>2. Maintain the SOP for street sweeping waste material disposal. Verify disposal method by contractor.</p> <p>3. Collect approximately 9,000 trash and debris items from roadways and ditches.</p> <p>4. Maintain the erosion and pollution prevention guidelines from road and bridge repair operations as needed.</p>	<p>Goal Not Met – 2,317.41 curb miles were swept from October 2020 – June 2021. During July 2021 – September 2021 a new bid was put out to other sweeping services due to existing contractor resigning mid-year.</p> <p>Met Goal – The SOP for street sweeping waste material disposal was maintained. Verification of disposal methods will be completed by January 24, 2022.</p> <p>Exceeded Goal – 13,712 pieces of trash were collected in this reporting period.</p> <p>Met Goal – The erosion and pollution prevention guidelines from road and bridge repair operations were maintained.</p>

	<p>5. Maintain list of Pollutants of concern from road and bridge maintenance.</p>	<p>Met Goal - List of Pollutants of concern from road and bridge maintenance was maintained.</p>
<p>5-3</p>	<p>1. Weekly inspection/cleaning of maintenance and fueling facilities. Continue to implement spill response and pollution prevention plans (SPCC) at each fueling facility.</p>	<p>Met Goal - Inspections at maintenance and fueling facilities continued during this reporting period.</p>
<p>Fleet Maintenance</p>	<p>2. Maintain the SOPs for each of the three maintenance facilities.</p>	<p>Met Goal - The SOPs for each of the three maintenance facilities were maintained.</p>
	<p>3. All vehicles and equipment washed in bays or commercial vehicle wash.</p>	<p>Met Goal - City vehicles and equipment were washed at the wash bays or a contracted commercial facility.</p>
	<p>4. Maintain the SOP for vehicle and equipment washing.</p>	<p>Met Goal - The SOP for vehicle and equipment washing was maintained.</p>
	<p>5. Sand traps are serviced as required by city ordinance. All wash bays are under a cover. Continue spill response and pollution prevention plans. Spill kits and signs are deployed at all fueling stations. Continue plan to address leaks from vehicles during normal use by a city employee.</p>	<p>Met Goal - Traps were serviced as required, wash bays are under cover, spill response and pollution prevention plans were continued, spill kits and signs were maintained, the plan to address leaks from vehicles during normal use by a city employee continued.</p>
	<p>6. Parts and materials stored under cover. Continue recycling program for materials.</p>	<p>Met Goal - Fleet stored all materials under cover or inside the building except repaired vehicles and vehicles to be repaired. Recycling continued for used oil, antifreeze, oil filters, used tires, batteries, cardboard, spent solvent, and scrap metal.</p>
	<p>7. Continue to have new employees sign form regarding leaking vehicles during daily use by an employee.</p>	<p>Met Goal - Forms continued to be signed by all employees during New Employee Orientation (NEO).</p>
	<p>8. Annual Inspection of the Central Service Center maintenance yard.</p>	<p>Met Goal - The annual inspection was completed on June 3, 2021 and July 13, 2021.</p>
	<p>9. Quarterly inspections of the ICGC.</p>	<p>Met Goal - Inspections were performed quarterly.</p>
<p>5-4</p>	<p>1. Continue to update (annually) and implement a spill response and pollution prevention plan for building and parking lot maintenance (SPCC). Continue waste reduction/ recycling.</p>	<p>Met Goal - SPCC and the pollution prevention plan continued to be implemented. Waste reduction and recycling options continued for office materials at city facilities.</p>
<p>Municipal Buildings and Parking Lots Maintenance</p>	<p>2. Continue inspections of Municipal Buildings and parking lots, including the Public Works yard.</p>	<p>Met Goal - Municipal buildings, parking lots and the public works yard were inspected in this fiscal year.</p>
	<p>3. Evaluate spill response and pollution prevention plan, adjust plan as necessary.</p>	<p>Met Goal - Spill response manual was reviewed and updated in August, September, and October 2020.</p>

	<p>4. Maintain a list of pollutants of concern from municipal buildings and parking lot maintenance.</p> <p>1. Inspect 100% of the city-maintained channels yearly and 3,154 of inlets per year.</p> <p>2. Review the current schedule for maintenance operations. Revise as necessary.</p> <p>3. Respond to 100% of complaints and other problems.</p> <p>4. Continue to inspect the 2 storm lift stations monthly.</p> <p>5. Maintain a list of potential problem areas for increased inspections.</p>	<p>Met Goal – A List of pollutants of concern from municipal building and parking lots maintenance has been maintained.</p> <p>Exceeded Goal – During this reporting period 100% of the city-maintained channels were inspected. 3,157 inlets were inspected.</p> <p>Met Goal - Schedule for maintenance operations was updated this fiscal year.</p> <p>Met Goal - Complaints were addressed as needed.</p> <p>Exceeded Goal – Storm lift stations were inspected weekly – 104 inspections were conducted between the 2 lift stations in this reporting period.</p> <p>Met Goal – List of potential problem areas for increased inspections has been maintained.</p>
5-5	Storm Sewer System Maintenance	
5-6	Waste Reduction of Information Technology and Communications Operations	<p>Met Goal – The city continued to recycle all batteries, cables, aluminum scrap, computer parts, and printer cartridges from IT operations during this reporting period. However, no items were recycled during this reporting period.</p>
5-7	Grease, Sand and Grit interceptor Maintenance	<p>Met Goal - Procedures are in place and continue to be implemented to collect and recycle batteries from deployed equipment including cell phones, two-way radios, and uninterruptible power supply.</p> <p>Met Goal – All city traps/interceptors were pumped in accordance with the city ordinance or variance approval through Environmental Services.</p>
5-8	Sand and Deicer Storage Locations	<p>Met Goal – Public Works used the following amounts in this reporting period: 3300 gallons of liquid deicer and 509,000lb of sand.</p> <p>Met Goal – SDSs were maintained on site.</p> <p>Met Goal – Controls were in place for sand, salt, and liquid deicer.</p>
	<p>3. Continue to implement appropriate controls for sand, salt, and liquid deicer storage.</p> <p>4. Maintain list of pollutants of concern from the three materials used.</p>	<p>Met Goal – List of pollutants of concern from the three materials used was maintained.</p>

	<p>5. Maintain written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP.</p> <p>6. Inspect controls for sand, salt, and deicer storage.</p>	<p>Met Goal – Written Pollution Prevention Measures to reduce the discharge of pollutants from this BMP were included in the SOP for the Public Works yard.</p> <p>Met Goal – Sand, salt, and liquid deicer controls were inspected during the annual facility inspections and monthly inspections.</p>
<p>5.9 City Owned Facilities</p>	<p>1. Maintain an inventory of city owned facilities.</p> <p>2. Maintain a map of city owned facilities & other stormwater controls.</p> <p>3. Perform a documented assessment of city owned facilities.</p> <p>4. Identification of high priority facilities.</p> <p>5. Review facility specific SOPs for all current high priority facilities.</p> <p>6. Develop facility specific SOPs for any newly identified high priority facility during the assessment.</p> <p>7. Inspection of all high priority facilities yearly.</p>	<p>Met Goal – An inventory of city owned facilities was maintained.</p> <p>Met Goal – A map of city owned facilities & other stormwater controls was maintained.</p> <p>Met Goal - High Priority Facility inspections were completed on July 14, 2021.</p> <p>Met Goal – 2 new facilities were added to the high priority facilities list.</p> <p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p> <p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p> <p>Met Goal – All 10 high priority facilities were inspected during this reporting period.</p>
<p>5.10 Structural Control Maintenance and Waste Disposal</p>	<p>1. Maintain an inventory of structural controls. Update as needed.</p> <p>2. Inspections of city structural controls will be done once in the permit term.</p>	<p>Met Goal – The inventory of structural controls was maintained.</p> <p>Met Goal – All city owned structural controls have been inspected this permit term.</p> <p>Animal Services: 04/07/2021</p> <p>Parking lot downtown: 01/04/2021</p> <p>Regional Detention Pond/ Vandergriff and Broadway Detention Pond: 01/04/2021</p> <p>H & J Library Retention Pond: 04/07/2021</p>

		<p>Police Department Detention Pond: 04/07/2021</p> <p>Woodlake Pond E Peters Colony & Josey Detention Pond: 04/08/2021???</p>
<p>5.11 New Construction and Land Disturbance</p>	<p>1. 100% of projects where the city meets the definition of operator will comply with TPDES construction general permit requirements.</p> <p>2. Require 100% contractors of municipally owned construction projects to comply with TPDES construction stormwater permit requirements.</p>	<p>Met Goal – The city complied with TPDES construction permit requirements for those projects that were applicable.</p> <p>Met Goal - Contractors were required to comply with the TPDES construction permit requirements.</p>
<p>5.12 Contractor Oversight Procedures</p>	<p>1. Maintain list of contractors</p> <p>2. Continue to contractually require contractors to comply with stormwater control measures, good housekeeping practices and facility-specific SOPs.</p> <p>3. Continue to implement oversight procedures.</p>	<p>Met Goal – List of contractors was maintained.</p> <p>Met Goal – Contractors were contractually required to comply with stormwater control measures, good housekeeping practices, and facility-specific SOPs.</p> <p>Met Goal – Oversight procedures continued during this reporting period.</p>
<p>5-13 Fire Fighting Training Activities</p>	<p>1. Continue implementing BMPs during training activities.</p>	<p>Met Goal – Fire Department continued to implement BMPs during training activities.</p>
<p>5-14 Employee Stormwater Pollution Prevention Training Program</p>	<p>1. Participate in the NCTCOG Pollution Prevention Task Force (regional program) to identify pollution prevention training materials and/or develop new materials as needed.</p> <p>2. Continue training all employees in departments responsible for operations or maintenance functions. Document training.</p>	<p>Met Goal – Staff attended the NCTCOG Pollution Prevention Task Force Meetings and participated in developing training materials. There was one meeting this reporting period: July 1, 2021.</p> <p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2022 and January 24, 2024.</p>
	<p>1. Develop a list of all city owned structural flood control devices.</p>	<p>Training started during this annual report year.</p> <p>Met Goal - A list was created and approved on November 25, 2020.</p>

5-15 Flood Control Projects	<ol style="list-style-type: none"> Evaluate all of the structural control devices to determine if they can be retrofitted to provide additional pollutant removal to MEP. Develop a plan for retrofitting (if applicable). Assess the impacts of receiving waters for all flood control projects. All of the new flood control structures will be designed, constructed, and maintained to provide erosion prevention and pollutant removal from stormwater. 	<p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2023.</p> <p>The new 2019-2024 permit has not been approved by TCEQ. The due date is January 24, 2024.</p> <p>Met Goal – Impacts of receiving wasters for all flood control projects were reviewed.</p> <p>Met Goal – No new flood control structures were proposed during this reporting period.</p> <p>Exceeded Goal – During this reporting period the city conducted 108 inspections at industries.</p>
6.1 Inspection of Industrial Facilities	<ol style="list-style-type: none"> Annually inspect 100 industrial facilities. 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. 	<p>Met Goal – Industries have been identified and required to obtain coverage under the MSGP during inspections. The waste survey is done every 3 years.</p>
6.2 Inventory/ Inspection of Commercial Facilities	<ol style="list-style-type: none"> Maintain an inventory of commercial facilities with grease/grit traps. Conduct one inspection per year for all food establishments. Conduct at least 25 commercial inspections per year. Inspect all active grease/grit traps in database once per year. Implementation complete. 	<p>Met Goal – An inventory of grease/grit traps has been maintained.</p> <p>Exceeded Goal – The city performed 1251 inspections at the 669 food establishments this reporting period.</p> <p>Exceeded Goal – The city inspected 26 commercial facilities during this reporting period.</p> <p>Met Goal – All 596 Grease/grit traps have been inspected during this reporting period.</p> <p>Met Goal.</p>

B. Stormwater Data Summary

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

Surface Water Monitoring was conducted twice 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 2021 data were 16 had a good rating and 2 had an Excellent rating. The results from the June 2021 monitoring had 1 locations with a Medium rating, 14 with a Good rating, and 3 with an Excellent WQI rating. The surface water monitoring data was reviewed in March 2021 and 70 new outfalls were selected to be monitored for Dry Weather Screening. Dry Weather Screening was conducted twice at the 72 outfalls once in March 2021 and once in August 2021-September 2021. 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 107 spills and illicit discharges, 22 illegal dumping cases, and 20 complaints about pet waste. Parks continued to remove trash from greenbelts and waterways at least 200 days each year and Public Works removed 13,712 pieces of trash from the roadways and ditches. Staff worked 1,998 cases regarding trash and debris, volunteers removed 484.5 bags of trash with the creek clean-up and adopt-a-spot programs, and the net at Josey Ranch collected 196 rounds of paper and plastic items. The city swept 2,317.41 curb miles from October 2020 – June 2021. During July 2021 – September 2021 a new bid was put out to other sweeping services due to existing contract resigning mid-year. Sweeping included the major arterials and selected city parking lots. The city inspected 3,157 storm drain inlets in the city. Stormwater inspections were conducted at 669 food establishments (1251 inspections), 26 commercial facilities, and 108 industries. All 596 of the active grease traps were inspected.

C. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly identified impaired waters below by including the name of the water body and the cause of impairment.
 - Yes – 0822 was not listed on the 2018 EPA-approved 303(d) list or on the Texas Integrated Report of Surface Water Quality
 - 2-7 is not applicable
2. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern.
 - Not applicable
3. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL.

Not applicable

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

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

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

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
NA	NA	NA

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

Description of bacteria-focused BMP	Comments/Discussion
NA	NA

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

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

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

Benchmark Indicator	Description/Comments
NA	NA

D. Stormwater Activities

Describe activities planned for the next reporting year:

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

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	Environmental Services Web Page	Post SWMP on the City of Carrollton webpage	30 days after the approval date
1	Environmental Services Web Page	Post annual report on the web page	30 days after the due date for each of the 5 annual reports

1	Public Notice	Publish notice of TCEQ determination on NOI and SWMP	As determined by TCEQ
1	Public Notice	Publish notice of Public Meeting if determined to be necessary by TCEQ	As Determined by TCEQ
1	Presentation of SWMP for Public Comment	One public presentation to introduce approved SWMP within 90 days from written receipt of TCEQ's approval of the SWMP	90 days after TCEQ's approval of SWMP
2	Illegal Dumping and Litter Control	Install 2 structural controls	January 24, 2022 The two structural controls have been installed.
3	Ordinance for Illicit Discharge Detection and Elimination	Review the Stormwater and Flood Protection Ordinance and the Stormwater Pollution Prevention Ordinance once during the permit term. Revise if necessary.	January 24, 2022 Stormwater Pollution Prevention Ordinance was adopted by council on January 12, 2021.
5	Road, Parking Lot and Bridge Maintenance	Maintain the SOP for street sweeping waste material disposal. Verify disposal method by contractor.	January 24, 2022

5	Inventory of city facilities	Perform a documented assessment of all city owned facilities.	January 24, 2022 Item has been completed.
5	Inventory of city facilities	Identification of high priority facilities.	January 24, 2022 Item has been completed.
5	Employee Training for Pollution Prevention	Continue training all employees in departments responsible for operations or maintenance functions. Document training.	January 24, 2022

E. SWMP Modifications

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

Yes No

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

Yes No

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

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

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)

NA	NA	NA
----	----	----

Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible, and why the replacement BMP is expected to achieve the goals of the original BMP.

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

F. Additional BMPs for TMDLs and I-Plans

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

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

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

G. Additional Information

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

___ Yes No

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

Name and Explanation: NA

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

H. Construction Activities

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

No. of non-municipal construction activities: 19

No. of municipal construction activities greater than or equal to 1 acre: 9

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 2021:

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)
01/26/2021	IC1	12.7	8.08	24.3	360	8.67	0	0.156	78 - Good
01/26/2021	IC2	11.4	8.12	12.2	801	26.9	0.08	1.76	87 - Good
01/26/2021	FC1A	12.7	8.51	13.9	598	5.49	0	0.44	85 - Good
01/26/2021	FC2	13	8.24	14.7	601	12.3	0.04	0.44	75 - Good
01/28/2021	FC3	11.4	8.19	17.7	561	11.7	0	0.264	76 - Good
01/26/2021	FC4	14.7	8.34	12.7	772	10.3	0.04	0.352	86 - Good
01/26/2021	FC5	12.1	8.11	12.9	575	3.08	0	1.936	90 - Excellent
01/26/2021	HB1	13	7.43	12.7	549	18.2	0.08	0.352	89 - Good
01/26/2021	HB2	12.6	8.56	12.8	386	23.6	0.3	0.44	80 - Good
01/26/2021	HB3	13.4	7.89	12.2	570	13.4	0	0.88	89 - Good

01/26/2021	HB4A	13.9	7.68	10.8	658	2.96	0	3.96	91 - Excellent
01/26/2021	HB5	17.6	9.13	12.1	432	2.88	0.24	0.28	80 - Good
01/26/2021	DB1	10.6	7.83	12.7	485	21.9	0	0.44	89 - Good
01/26/2021	DB2	11.1	8.01	16.9	1106	7.09	0.1	0.44	78 - Good
01/26/2021	DB3	11	8.59	22.2	965	5.08	0.3	0.616	71 - Good
01/26/2021	CB1A	15.1	8.48	9.9	650	6.52	0.2	1.32	88 - Good
01/26/2021	CB2	12.6	8.67	13.6	571	5.52	0.08	0.352	83 - Good
01/26/2021	VI1	14.4	8.47	17.6	1115	20.4	0.14	1.14	71 - Good

June 2021:

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)
06/15/2021	IC1	24.4	8.23	6.6	377	44.1	0.3	0.027	79
06/15/2021	IC2	28.4	7.83	6.2	744	28.9	0.1	0.88	86
06/15/2021	FC1A	27.3	7.36	4.4	594	30.4	0.08	0.264	76
06/15/2021	FC2	31	7.47	6.1	481	11.1	0	0.264	91
06/15/2021	FC3	32.8	7.89	6.7	612	7.81	0	0.352	93
06/15/2021	FC4	31.4	7.28	5.4	766	7.28	0.1	0.792	86
06/15/2021	FC5	26.3	7.65	6.6	686	22.8	0	2.2	88
06/15/2021	HB1	29.8	7.96	7.3	418	23.4	0	0.044	90
06/21/2021	HB2	27.4	7.41	5.2	735	8.95	0	0.352	86
06/21/2021	HB3	27.9	7.52	3	680	8.93	0	0	73
06/21/2021	HB4A	25.2	7.3	5.1	722	3.32	0	4.4	80
06/21/2021	HB5	26.1	9.01	9.4	445	5.12	0.28	0.264	81
06/15/2021	DB1	29.1	8.17	4	370	12.1	0.8	0	65
06/15/2021	DB2	30.4	7.82	9.9	1316	17	0.1	0.352	86
06/15/2021	DB3	31.1	7.81	9.5	928	14.1	0.3	0.88	85
06/17/2021	CB1A	24.3	8	6.1	748	2.29	0	1.76	89
06/17/2021	CB2	25.9	8.6	7.1	817	4.62	0	0.352	88

06/15/2021	VI1	38.3	8.06	12.6	1344	13.9	0	0.616	76
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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

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

60 OF
Valwood

VI Channel:	Reason for Selection:	Site Description:
Multiple OF	Outfalls by Industrial Area	Off Hutton Between Valwood and Champion RR
Multiple OF	Outfalls by Industrial Area	Off Mackenzie Dr Between Valwood and Champion RR
Multiple OF	Outfalls by Industrial Area	Off McDaniel DR Between Valwood and Champion RR

Indian Creek:

Dry Weather Screening:

Outfalls:	OF0435		OF4040		OF4041		OF0517		OF9874	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	03/09/2021 10:35 am	03/09/2021 2:35 pm	03/09/2021 10:52 am	03/09/2021 2:52 pm	03/09/2021 10:52 am	03/09/2021 2:52 pm	03/09/2021 11:28 am	03/09/2021 3:42 pm	03/09/2021 11:29 am	03/09/2021 3:46 pm
Flow			Medium	Medium	None	None			Medium	Medium
pH			7.87	8.57					7.71	7.92
Conductivity (µS)			1501	1842					798	877
Detergent (ppm)			0	0					0	0.1
Ammonia Nitrogen (ppm)			0	0					2	2
Water Temp (°F)			14.1	14.8					14.9	15.8
Turbidity (NTU)			49.3	2.53					15	38.6

	0	0	0	0	0	0	0	0	0
Chlorine (ppm)		0	0	0	0	0	0	0	0
Color		clear	clear	clear	clear	clear	clear	clear	clear
Odor		none	none	none	none	none	none	Fishy	Fishy
Sewage		None	None	None	None	None	none	none	none
Surface Scum		none	none	none	none	none	none	none	none
Trash		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Oil Sheen		none	none	none	none	none	none	None	None

	OF0435		OF4040		OF4041		OF0517	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Outfalls:								
Date/Time:	08/31/2021 9:33 am	08/31/2021 2:24 pm	08/31/2021 10:32 am	08/31/2021 2:36 pm	08/31/2021 10:39 am	08/31/2021 2:36 pm	08/31/2021 11:16 am	08/31/2021 3:16 pm
Flow	medium	medium	None	None	medium	medium	None	None
pH	8.17	8.03			8.07	7.76		
Conductivity (µS)	696	704			1900	1		
Detergent (ppm)	0	0			0	0		
Ammonia Nitrogen (ppm)	0	0			0	0		
Water Temp (°F)	27.5	29.7			27	28.4		
Turbidity (NTU)	2.66	1.89			2.3	1.5		
Chlorine (ppm)	0	0			0	0		
Color	clear	clear			clear	clear		
Odor	none	none			none	none		

Sewage	none	none	none	none
Surface Scum	no	no	no	no
Trash	no	no	yes	yes
Oil Sheen	no	no	none	no

Furneaux Creek Branch:

Dry Weather Screening:

Outfalls: Date/Time:	OF1062		OF225Z		OF2258		OF2259	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	03/09/2021 12:07 pm Medium	03/09/2019 4:19 pm Medium	03/09/2021 12:22 pm None	03/09/2021 4:50 pm None	03/09/2021 12:22 pm None	03/09/2021 4:50 pm None	03/09/2021 12:22 pm None	03/09/2021 4:50 pm None
Flow	7.82	8.02						
pH	1451	1468						
Conductivity (µS)	0.1	0.1						
Detergent (ppm)	0	1						
Ammonia Nitrogen (ppm)	14.8	15.1						
Water Temp (°F)								

Turbidity (NTU)	15.6	16.5					
Chlorine (ppm)	0	0					
Color	Clear	Clear					
Odor	None	None					
Sewage	None	None					
Surface Scum	None	None					
Trash	Yes	Yes					
Oil Sheen	None	None					
	We suspect ammonium is coming from Hmarts basement. We didn't see any discharges into inlets. Hmart hired a plumber and resolved issue.						

Outfalls:	OF1062		OF2257		OF2258		OF2259	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	08/31/2021	09/01/2021	08/31/2021	08/31/2021	08/31/2021	08/31/2021	08/31/2021	08/31/2021
	11:58 am	7:37 am	11:37 am	3:48 pm	11:37 am	3:48 pm	11:37 am	3:48 pm
Flow	None	None	None	None	Low	Low	None	None
pH					7.92	7.76		
Conductivity (µS)					1454	1474		
Detergent (ppm)					0	0		
Ammonia Nitrogen (ppm)	2.5				0	0		
Water Temp (°F)					28.1	29.9		

Turbidity (NTU)				9.06	6.64	-
Chlorine (ppm)				0.2	0	-
Color				clear	clear	-
Odor				none	none	-
Sewage				none	none	-
Surface Scum				no	no	-
Trash				yes	yes	-
Oil Sheen				no	no	-
	Tested ammonia because we had issue before. Hmart received citation and fixed issue.					

Cooks Branch:

Dry Weather Screening:

Outfalls:	<u>OF1117</u>		<u>OF1113</u>	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	03/09/2021 12:39 pm	03/09/2021 5:10 pm	03/09/2021 12:39 pm	03/09/2021 5:10 pm
Flow	None	None	None	None
pH				
Conductivity (µS)				
Detergent (ppm)				
Ammonia Nitrogen (ppm)				

Water Temp (°F)					
Turbidity (NTU)					
Chlorine (ppm)					
Color					
Odor					
Sewage					
Surface Scum					
Trash					
Oil Sheen					

Outfalls:	OF1117		OF1113	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	09/01/2021 8:27 am	09/01/2021 1:38 pm	09/01/2021 8:27 am	09/01/2021 1:38 pm
Flow	None	None	None	None
pH				
Conductivity (µS)				
Detergent (ppm)				
Ammonia Nitrogen (ppm)				
Water Temp (°F)				

Turbidity (NTU)				
Chlorine (ppm)				
Color				
Odor				
Sewage				
Surface Scum				
Trash				
Oil Sheen				

Dudley Branch:

Dry Weather Screening:

Outfalls:	OF0215		OF0216	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	03/09/2021 11:15 am	03/09/2021 3:21 pm	03/09/2021 11:15 am	03/09/2021 3:21 pm
Flow	Medium	Medium	None	None
pH	7.98	8.41		
Conductivity (µS)	937	936		
Detergent (ppm)	0	0		

Ammonia Nitrogen (ppm)	0	0	
Water Temp (°F)	15.8	16.4	
Turbidity (NTU)	9.85	2.75	
Chlorine (ppm)	0	0	
Color	Clear	Clear	
Odor	none	None	
Sewage	None	None	
Surface Scum	None	None	
Trash	Yes	Yes	
Oil Sheen	None	None	

Outfalls:	OF0215		OF0216	
	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	08/31/2021 10:53 am	08/31/2021 3:01 pm	08/31/2021 10:54 am	08/31/2021 3:01 pm
Flow	Medium	Medium	low	low
pH	7.91	7.62	7.32	7.34
Conductivity (µS)	915	869	1099	1057
Detergent (ppm)	0	0	0	0
Ammonia Nitrogen (ppm)	0	0	0	0
Water Temp (°F)	27.4	28	28.8	30.8

Turbidity (NTU)	4.41	1.03	3	2.81
Chlorine (ppm)	0	0	0	0
Color	clear	clear	none	clear
Odor	yes	yes	none	none
Sewage Surface Scum	no	no	no	no
Trash	no	no	no	no
Oil Sheen	no	no	no	no

Valwood Channel - Hutton:

Dry Weather Screening:

Outfalls:	OF4284		OF1394		OF4282		OF4280		OF4278	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	03/30/21 8:32 am	03/30/21 1:57 pm	03/30/2021 8:49 am	03/30/21 1:57 pm	03/30/21 8:33 am	03/30/21 1:57 pm	03/30/21 8:34 am	03/30/21 1:58 pm	03/30/21 8:49 am	03/30/21 1:58 pm
Flow	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														

<u>OF427Z</u>		<u>OF4274</u>		<u>OF4273</u>		<u>OF4272</u>		<u>OF4270</u>	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
03/30/2021 8:35 am	03/30/2021 1:59 pm	03/30/2021 8:36 am	03/30/2021 1:59 pm	03/30/2021 8:36 am	03/30/2021 2:00 pm	03/30/2021 8:37 am	03/30/2021 2:00 pm	03/30/2021 8:48 am	03/30/2021 2:00 pm
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

OF1396		OF4263		OF4266		OF4265		OF4264	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
03/30/2021 8:53 am	03/30/2021 2:02 pm	03/30/2021 8:53 am	03/30/2021 2:02 pm	03/30/2021 8:53 am	03/30/2021 2:03 pm	03/30/2021 8:53 am	03/30/2021 2:04 pm	03/30/2021 8:54 am	03/30/2021 2:04 pm
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

OF4269		OF4271		OF4275		OF4276		OF4279	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
03/30/2021 8:39 am	03/30/2021 2:05 pm	03/30/2021 8:40 am	03/30/2021 2:06 pm	03/30/2021 8:46 am	03/30/2021 2:07 pm	03/30/2021 8:41 am	03/30/2021 2:08 pm	03/30/2021 8:43 am	03/30/2021 2:08 pm
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

<u>OF4281</u>		<u>OF4283</u>		<u>OF1397</u>	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
03/30/2021 8:43 am	03/30/2021 2:09 pm	03/30/2021 8:48 am	03/30/2021 2:09 pm	03/30/2021 8:48 am	03/30/2021 2:10 pm
NONE	NONE	NONE	NONE	NONE	NONE

Outfalls: Date/Time:	<u>OF4284</u>		<u>OF1394</u>		<u>OF4282</u>		<u>OF4280</u>		<u>OF4278</u>	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	09/01/21 8:44 am	09/01/21 1:47 pm	09/01/21 8:46 am	09/01/2021 1:47 pm	09/01/21 8:46 am	09/01/2021 1:47 pm	09/01/21 8:46 am	09/01/2021 1:48 pm	09/01/21 8:47 am	09/01/2021 1:48 pm
Flow	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																				

OF4277		OF4274		OF4273		OF4272		OF4270	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
09/01/2021 8:47 am	09/01/2021 1:48 pm	09/01/2021 8:48 am	09/01/2021 1:49 pm	09/01/2021 8:48 am	09/01/2021 1:49 pm	09/01/2021 8:48 am	09/01/21 1:49 pm	09/01/2021 8:48 am	09/01/2021 1:49 pm
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

OF4269		OF4271		OF4275		OF4276		OF4279	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
09/01/2021 8:53 am	09/01/2021 1:50 pm	09/01/2021 8:53 am	09/01/2021 1:50 pm	09/01/2021 8:54 am	09/01/2021 1:51 pm	09/01/2021 8:54 am	09/01/2021 1:51 pm	09/01/2021 8:54 am	09/01/2021 1:57 pm

NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

OF4281		OF4283		OF139Z	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit

09/01/2021 8:54 am	09/01/2021 1:51 pm	09/01/2021 8:55 am	09/01/2021 1:52 pm	09/01/2021 8:55 am	09/01/2021 1:52 pm
NONE	NONE	NONE	NONE	NONE	NONE

Valwood Channel - McKenzie:

Dry Weather Screening:

Outfalls:	OF4262		OF4261		OF4259		OF4257		
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	
Date/Time:	03/30/2021 9:04 am	03/30/21 2:13 pm	03/30/2021 9:05 am	03/30/2021 2:14 pm	03/30/2021 9:05 am	03/01/2021 2:14 pm	03/30/2021 9:06 am	03/30/2021 2:16 pm	
Flow	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	
pH									
Conductivity (µS)									
Detergent (ppm)									
Ammonia Nitrogen (ppm)									
Water Temp (°F)									
Turbidity (NTU)									
Chlorine (ppm)									
Color									
Odor									
Sewage									
Surface Scum									
Trash									
Oil Sheen									
	OF4255		OF4252		OF4250		OF4249		OF4248
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit

03/30/2021 9:09 am	03/30/2021 2:16 pm	03/30/2021 9:17 am	03/30/2021 2:28 pm	03/30/2021 9:18 am	03/30/2021 2:30 pm	03/30/2021 8:59 am	03/30/2021 2:30 pm	03/30/2021 8:59 am	03/30/2021 2:31 pm
Low	Low	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
9:07 AM	8.27								
692	627								
0	0								
0	0								
17.7	19.9								
4.9	9.59								
0	0								
None	None								
None	None								
None	None								
None	None								
yes	yes								
None	None								

OF4251	OF4253	OF4254	OF4256	OF4258
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1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
03/30/2021 9:18 am	03/30/2021 2:30 pm	03/30/2021 9:20 am	03/30/2021 2:33 pm	03/30/2021 9:20 am	03/30/2021 2:33 pm	03/30/2021 9:21 am	03/30/2021 2:33 pm	03/30/2021 9:22 am	03/30/2021 2:34 pm	03/30/2021 9:22 am	03/30/2021 2:34 pm
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

<u>OF4260</u>	
1st Visit	2nd Visit

03/30/2021 9:22 am	03/30/2021 2:35 pm
NONE	NONE

Outfalls:	<u>OF4262</u>	<u>OF4261</u>	<u>OF4259</u>	<u>OF4257</u>	<u>OF4255</u>
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Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	09/01/21 8:56 am	09/01/21 1:52 pm	09/01/21 8:57 am	09/01/2021 1:57 pm	09/01/21 8:57 am	09/01/21 8:58 am	09/01/2021 1:58 pm	09/01/21 8:58 am	09/01/2021 1:58 pm	09/01/2021 2:10 pm
Flow	NONE	NONE	NONE	NONE	NONE	NONE	NONE	medium	medium	none
pH								8.18	8.28	
Conductivity (µS)								608	591	
Detergent (ppm)								0	0	
Ammonia Nitrogen (ppm)								0	0	
Water Temp (°F)								29.2	32.6	
Turbidity (NTU)								3.59	2.67	
Chlorine (ppm)								0	0	
Color								clear	clear	
Odor								non	no	
Sewage								non	no	
Surface Scum								non	no	
Trash								non	no	
Oil Sheen								non	no	

4252		4250		4249		4248		4251	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit

09/01/2021 9:12 am	09/01/2021 2:10 pm	09/01/2021 9:18 am	09/01/2021 2:10 pm	09/01/2021 9:14 am	09/01/2021 2:11 pm	09/01/2021 9:14 am	09/01/2021 2:12 pm	09/01/2021 9:18 am	09/01/2021 2:13 pm
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

OF4253	OF4254	OF4256	OF4258	OF4260
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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
09/01/2021 9:18 am	09/01/2021 2:14 pm	09/01/2021 9:19 am	09/01/2021 2:14 pm	09/01/2021 9:19 am	09/01/2021 2:14 pm	09/01/2021 9:19 am	09/01/2021 2:14 pm	09/01/2021 9:19 am	09/01/2021 2:14 pm	09/01/2021 9:19 am	09/01/2021 2:14 pm	09/01/2021 9:19 am	09/01/2021 2:15 pm
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

Dry Weather Screening:

Outfalls:	OF4223		OF4224		OF4227		OF4228		OF4231	
	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
Date/Time:	03/30/21 9:26 am	03/30/21 2:37 pm	03/30/21 9:26 am	03/30/2021 2:38 pm	03/30/21 9:27 am	03/30/2021 2:38 pm	03/30/21 9:28 am	03/30/2021 2:39 pm	03/30/21 9:29 am	03/30/2021 2:40 pm
Flow	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										

<u>OF4233</u>		<u>OF4235</u>		<u>OF4236</u>		<u>OF4237</u>		<u>OF4234</u>	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
03/30/2021 9:29 am	03/30/2021 2:40 pm	03/30/2021 9:31 am	03/30/2021 2:41 pm	03/30/2021 9:31 am	03/30/2021 2:42 pm	03/30/2021 9:32 am	03/30/2021 2:43 pm	03/30/2021 9:34 am	03/30/2021 2:43 pm
None	None	None	None	None	None	None	None	None	None

<u>OF2319</u>	<u>OF4232</u>	<u>OF4230</u>	<u>OF4229</u>	<u>OF4226</u>
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1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
03/30/2021 9:35 am	03/30/2021 2:44 pm	03/30/2021 9:36 am	03/30/2021 2:45 pm	03/30/2021 9:36 am	03/30/2021 2:45 pm	03/30/2021 9:41 am	03/30/2021 2:46 pm	03/30/2021 9:42 am	03/30/2021 2:46 pm	03/30/2021 9:42 am	03/30/2021 2:46 pm
None	None	None	None	None	None	None	None	None	None	None	None

OF4225		OF4223	
1st Visit	2nd Visit	1st Visit	2nd Visit

03/30/2021 9:42 am	03/30/2021 2:47 pm	03/30/2021 9:43 am	03/30/2021 2:47 pm
None	None	None	None

Outfalls:	OF4223	OF4224	OF4227	OF4228	OF4231
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Date/Time:	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
	09/01/21 9:21 am	09/01/21 2:16 pm	09/01/21 9:21 am	09/01/21 2:17 pm	09/01/21 9:22 am	09/01/21 2:17 pm	09/01/21 9:22 am	09/01/21 2:18 pm	09/01/21 9:23 am	09/01/21 2:18 pm
Flow	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										

OF4233	OF4235	OF4236	OF4237	OF4234
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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
09/01/2021 9:23 am	09/01/2021 2:19 pm	09/01/2021 9:24 am	09/01/2021 2:19 pm	09/01/2021 9:27 am	09/01/2021 2:20 pm	09/01/2021 9:28 am	09/01/2021 2:20 pm	09/01/2021 9:28 am	09/01/2021 2:20 pm	09/01/2021 9:28 am	09/01/2021 2:20 pm	09/01/2021 9:28 am	09/01/2021 2:20 pm
None	None	None	None	None	None	None	None	None	None	None	None	None	None

OF2319		OF4232		OF4230		OF4229		OF4226	
1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit	1st Visit	2nd Visit
09/01/2021 9:29 am	09/01/2021 2:20 pm	09/01/2021 9:29 am	09/01/2021 2:21 pm	09/01/2021 9:29 am	09/01/2021 2:21 pm	09/01/2021 9:30 am	09/01/2021 2:21 pm	09/01/2021 9:30 am	09/01/2021 2:22 pm
None	None	None	None	None	None	None	None	None	None

OF4225		OF4223	
1st Visit	2nd Visit	1st Visit	2nd Visit
09/01/2021 9:33 am	09/01/2021 2:22 pm	09/01/2021 9:33 am	09/01/2021 2:22 pm
None	None	None	None

I. Certification

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (printed): Erin Rinehart Title: City Manager

Signature:  Date: 12/17/21

Name of MS4 _____ City of Carrollton _____

