Grand Prairie
TEXAS

City of Grand Prairie

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Dallas County Flood Control District #1

TPDES Phase II Small MS4 General Permit

Annual Report

Year 2: January 1, 2020- December 31, 2020

City of Grand Prairie
&
Dallas County Flood Control District #1
Phase II (Small) MS4 Year 2 Annual Report
TPDES General Permit Number TXR040000

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A. General Information

Municipality/Authorization #: City of Grand Prairie/ TXR040065
District/Authorization #: Dallas County Flood Control District #1/ TXR040255

Annual Reporting Year: Year 2 Reporting Period, Calendar Year: January 1, 2020 – December 31, 2020

MS4 Operator Level: City of Grand Prairie: Level 4
MS4 Operator Level: Dallas County Flood Control District #1: Level 2

Name of MS4/Permittee: City of Grand Prairie and Dallas County Flood Control District #1

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A copy of the annual report was submitted to the TCEQ Region: ☒ YES ☐ NO
Region the annual report was submitted to: TCEQ Region __4__

B. Status of Compliance with the MS4 GP and SWMP

1. Permit conditions compliance status:

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

2. Each of the Year 2 BMP was assessed as appropriate. See table below for more information:

MCMs	***BMP#***	***BMP Name***	***BMP Description***	***BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.***
1: Public Education, Outreach, and Involvement	1.1	HHW Program	Reduction of the unauthorized disposal of household hazardous waste will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste.	Yes. Encourages the proper disposal of hazardous waste and informs citizens of when and where they can dispose of waste.
1: Public Education, Outreach, and Involvement	1.2	Pet Waste	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach.	Yes. Give-a-ways, PSAs, and brochures target the appropriate audience and encourage proper disposal of pet waste.
1: Public Education, Outreach, and Involvement	1.3	Environmental Workshop	Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and potential sources of stormwater pollution.	Yes. Surveys indicate that information helps facilities comply.
1: Public Education, Outreach, and Involvement	1.4	Commercial/Industrial Floatables Education	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to selected facilities during routine inspections.	Yes. Educational materials discuss methods for reducing floatables. Reaches the appropriate audience as brochures are distributed during inspections, classes, workshops, and at the Development Center.

1: Public Education, Outreach, and Involvement	1.5	Information for ARBs	Awareness of the impact of the automotive sector's pollutants on water quality will be integrated into existing activities through the distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections.	Yes. Compliance has increased. Overall, there was an increase in enforcement actions in 2020. The total enforcement increased from 166 violations in 2019 to 227 violations in 2020, respectively
1: Public Education, Outreach, and Involvement	1.6	Funding for Elementary School Curriculum on Stormwater Quality	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.	Yes. The City purchases English and Spanish replacement Major Rivers Educational Packets for GPISD upon their request. This program emphasizes the importance of stormwater pollution controls to young students who in turn may relay this information to their older parents/guardians.
1: Public Education, Outreach, and Involvement	1.7	Pipeline Newsletter	Raise awareness of stormwater issues for citizens by placing articles in the water utility bill insert.	Yes. This is the most widely read city publication. Fourteen (14) stormwater related articles were published and distributed during this reporting period.
1: Public Education, Outreach, and Involvement	1.8	Multimedia Education	Promote watershed awareness for citizens, City staff, and visitors using multiple types of media, including a website, City's cable channel, and Facebook.	Yes. Promotes watershed awareness to Grand Prairie citizens through Grand Prairie TV, the City's website, and Facebook.
1: Public Education, Outreach, and Involvement	1.9	Tailor Outreach Programs to non-English languages	Ensure educational materials are translated into Spanish, as needed.	Yes. There is a large population of only Spanish speaking citizens in Grand Prairie.
1: Public Education, Outreach, and Involvement	1.10	Storm Drain Markers	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.	Yes. Increases awareness of the storm drain system to citizens and to those installing markers. 116 storm drain makers were placed during this reporting period.
1: Public Education, Outreach, and Involvement	1.11	Public Education Event	Hold an educational event that demonstrates the effects of various residential and commercial pollutants on stormwater quality and promotes stormwater BMPs.	Yes. Event brings awareness to stormwater issues and reaches hundreds of residents in one day.

1: Public Education, Outreach, and Involvement	1.12	Clean Rivers on Website	Stream monitoring information is made available for review on the Clean Rivers Program website. Access to this site will be provided through the City's website.	Yes. Reaches only those perusing the City's stream monitoring website; however, once on the Clean Rivers site, citizens are able to better understand water quality issues.
1: Public Education, Outreach, and Involvement	1.13	Don't Bag It	Encourage participants to mulch grass and yard clippings as a compost instead of application of commercial fertilizers.	Yes. Encourages a reduction in potential storm water contaminants such as fertilizers, insecticides and herbicides, while preserving valuable landfill space.
1: Public Education, Outreach, and Involvement	1.14	H20 Line	Produce and distribute a newsletter to selected industrial sectors and automotive related businesses featuring stormwater topics.	Yes. Reminds industrial facilities of reporting deadlines and gives them BMP information to increase compliance with industrial stormwater permit. Newsletters were distributed to 405 industrial businesses point of contacts via email during this reporting period.
1: Public Education, Outreach, and Involvement	1.15	Educational Material for Construction Site Personnel	Provide educational materials on BMPs and erosion control for construction site personnel.	Yes. Reaches developers seeking out educational information.
1: Public Education, Outreach, and Involvement	1.16	Public Notice in Development of SWMP	Comply with federal, state, and local public notice requirements when implementing the SWMP.	Not applicable.
1: Public Education, Outreach, and Involvement	1.17	Texas Stream Team	Involve volunteers in the stream monitoring process through Texas Stream Team.	Yes. Stream monitors sample at different locations and/or times than the City's stream monitoring. Data collected has the potential to reveal areas needing further monitoring, remediation, and/or enforcement. Three individuals were certified as Texas Stream Team citizen scientist and two individuals were certified as Texas Stream Team Trainers during this reporting period.

1: Public Education, Outreach, and Involvement	1.18	Master Composter	Involve the public in lawn and garden compost waste training that will encourage reductions in fertilizer and pesticide use. Participants receive hands-on training and can become a Certified Master Composter.	Yes. Provides students with practical alternatives to over-applying fertilizer, potentially reducing the amount of excessive nutrients to local waterways. Due to COVID-19 outbreak, for the safety of the participants master composter classes were cancelled in 2020.
1: Public Education, Outreach, and Involvement	1.19	Illegal Dumping Hotline	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10)	Yes. City staffs are made aware of polluted areas that they may have otherwise missed.
1: Public Education, Outreach, and Involvement	1.20	Stakeholder Meetings and Task Force Groups	Keep citizens and other stakeholders involved in the decision process for managing the Stormwater Management Program and share information to help develop stormwater programs by participating in stormwater related committees or task force groups through NCTCOG.	Yes. Citizens and City staff come together to make most appropriate decisions for SWMP.
1: Public Education, Outreach, and Involvement	1.21	Neighborhood Outreach	Program encourages the involvement of neighborhood associations for the purpose of educating them about stormwater related issues.	Yes. Neighborhood associations are encouraged to form cleanup committees.
1: Public Education, Outreach, and Involvement	1.22	School Outreach	Partnership between the City's Keep Grand Prairie Beautiful Program and a local school district that encourages student and campus participation.	Yes. Gets students and faculty involved in stewardship oriented activities, including Adopt-A-Stream cleanup efforts, storm drain marking projects, water quality monitoring programs and watershed education programs, resulting in the reduction of storm water pollutants.
1: Public Education, Outreach, and Involvement	1.23	Annual Environmental Compliance Achievement Awards	Encourage industrial facilities to obtain industrial permit as required by the SIC code.	Yes. Mandates stormwater compliance to achieve recognition.
2. Illicit Discharge Detection and Elimination	2.1	GIS MS4 Database	Maintain an updated map of the locations of all outfalls and the names of all receiving US surface waters.	Yes. Map used to trace illicit discharges to waterbodies. Allows for effective remediation of spills, illicit discharges, and SSOs.

2. Illicit Discharge Detection and Elimination	2.2	Priority Areas	Identify priority areas within the city likely to have an illicit discharge.	Yes. Areas within the city that are likely to have an illicit discharge are identified so that monitoring efforts in these areas may increase.
2. Illicit Discharge Detection and Elimination	2.3	Dry Weather Field Screening	Develop and implement a program to detect and address non-stormwater discharges, including illegal dumping, into the storm sewer system.	Yes. The City is to inspect 1/3 of the priority area during Years 1,2,3, 4 and 5 of the permit. In 2019, 71 outfalls were screened, and in 2020, 104 outfalls were screened for illicit discharges.
2. Illicit Discharge Detection and Elimination	2.4	Complaint response and database	Investigate all citizen complaints and maintain a database of all citizen complaints regarding illicit discharges.	Yes. Tracks spills and creates historical information for assessment. Creates response mechanism. Incidents such as spills, illicit discharges, or sanitary sewer overflows are mitigated. Total of 360 (three hundred and sixty) complaints regarding illicit discharges and spills were received and resolved during this reporting period. 98.89% of illicit discharge complaints were responded within 5 days.
2. Illicit Discharge Detection and Elimination	2.5	Illicit Discharge/Spill Procedures	Develop and maintain procedures for responding to illicit discharges and spills.	Yes. Standard operating procedures used for responding to spills. Stormwater pollution incidents are mitigated. Eight (8) spills and three (3) SSOs were investigated and resolved during this reporting period.
2. Illicit Discharge Detection and Elimination	2.6	Source Investigation and Elimination	Identify and locate the source of illicit discharges and/or spills. Require responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spills.	Yes. Investigation and elimination of polluting sources.
2. Illicit Discharge Detection and Elimination	2.7	Spill response	Coordinate with the Fire Department on emergency spill response, using a private contractor for clean-up and remediation.	Yes. Abates pollutants in our waterbodies.

2. Illicit Discharge Detection and Elimination	2.8	Structural control for floatables	Reduce discharge of floatables (example litter or human generated solid refuse) in the MS4.	Yes. Reduces discharges of floatables in our water bodies.
2. Illicit Discharge Detection and Elimination	2.9	Building Project Review Process	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.	Yes. Mandates compliance prior to operation.
2. Illicit Discharge Detection and Elimination	2.10	Illegal Dumping Hotline	Encourage citizens to report illicit discharges or violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 1.26)	Yes. City staffs are made aware of polluted areas that they may have otherwise missed.
2. Illicit Discharge Detection and Elimination	2.11	Streams Sampling	Assess water quality of streams through monthly stream monitoring of 10 sites within or near the city limits. Investigate atypical results for an illicit discharge.	Yes. Atypical results are investigated and mitigated. Pollutants are reduced to the MEP.
2. Illicit Discharge Detection and Elimination	2.12	SSO Response	Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.	Yes. Ensures the protection of our waterways following an SSO.
2. Illicit Discharge Detection and Elimination	2.13	Illicit Discharge Awareness Campaign for Businesses and General Public	Inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	Yes. Stormwater BMP posters, brochures, and videos are used to target the appropriate audience.
2. Illicit Discharge Detection and Elimination	2.14	Educating and Training City Field Staff	Ensure City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training (see also BMP 5.7).	Yes. Ensures City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training.

2. Illicit Discharge Detection and Elimination	2.16	Litter Collection	Keeping the major thoroughfares clean and free of litter will reduce the amount of floatable that reach water ways. A contractor is employed to clear litter from these roadways.	Yes. The Litter Crew collected 168.31 tons of litter in 2019 and 79.68 tons of litter in 2020. By preventing litter from remaining in the environment, both surface and groundwater are protected from potential contamination associated with it.
2. Illicit Discharge Detection and Elimination	2.17	Beach Sampling Program	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water.	Yes. Reduces health risks to citizens. Pollutants are reduced to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels.
2. Illicit Discharge Detection and Elimination	2.18	On Site Sewage System Permitting	On Site sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and abated.	Yes. Failing septic systems are identified and abated. In 2020 zero OSSF complaint was received. In 2020, three (3) OSSF permits were issued.
2. Illicit Discharge Detection and Elimination	2.19	Auto Inspection Program	Inspect auto-related businesses for water quality issues on an annual basis.	Yes. Enforcement and education encourages businesses to prevent pollutants from coming into contact with stormwater.
2. Illicit Discharge Detection and Elimination	2.20	Grease Trap Pumping	Ensure grease traps are being pumped as required.	Yes. Pumping helps to reduce the number of illicit discharges. During 2020, over 90% of food services were inspected. In 2020, Grand Prairie received 3,475 trip tickets for grease or sand traps pump outs. There were 3,517 events due during this period. This is a compliance rate of 98.8%. Fourty Two (42) charges were issued to health permit holders for not pumping grease traps
2. Illicit Discharge Detection and Elimination	2.21	Horse Stables	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.	Yes. Ensures private horse stables are maintained properly so that sources of bacteria are reduced. In 2020, seventeen (17) horse stables were inspected.

2. Illicit Discharge Detection and Elimination	2.22	Joe Pool Lake (JPL) Watershed Protection Plan	Collaborate with Trinity River Authority to establish an analytical framework for managing water quality and produce plans of action to address water quality issues within Joe Pool Lake Watershed	No. After the development of watershed protection plan and implementing actions to address water quality issues within Joe Pool Lake Watershed will eventually reduce pollutants.
2. Illicit Discharge Detection and Elimination	2.23	Sanitary Sewer Systems	Ensure sanitary sewers are functioning properly in order to reduce overflows.	Yes. Maintenance of sanitary sewer systems and lift stations reduces SSOs.
3. Construction Site Stormwater Runoff Control	3.1	Construction Plan Review	Conduct plan reviews for construction projects to evaluate temporary erosion and sediment control measures and BMPs in accordance with the TPDES Construction General Permit, local ordinances regulating stormwater discharges from construction activities, and all other applicable state and federal stormwater quality regulations. Maintain written procedures for City review of construction plans, including provisions for training new plan review staff.	Yes. Determines the effectiveness of the drainage and erosion control measures in plans and provides comments for revisions to reduce to the maximum extent practicable potential site specific erosion control concerns. During this reporting period there were 70 plan reviews.
3. Construction Site Stormwater Runoff Control	3.2	Construction Site Inspection and Enforcement	Maintain written procedures for City-led inspections of large and small construction projects, including provisions for training new construction inspectors. Conduct inspections of small and large construction sites within the MS4 according to City procedures and ordinances. Enforce correction for violations of (City "erosion control" ordinance provisions/TPDES Construction General Permit TXR150000).	Yes. During this reporting period construction site inspections consisted of 876 on-site inspections, which required 55 action items to be addressed, and 4 Notices of Violations were issued. Additionally, all were brought into compliance in the specified time frame.

3. Construction Site Stormwater Runoff Control	3.3	Construction Ordinance	Review current Stormwater Construction Ordinance and Unified Development Code. Revise, modify, and implement as needed to meet the requirements as described in the MS4 General Permit.	Yes. The Stormwater Ordinance for construction sites was reviewed for changes necessary to comply with the new permitting term. The new changes will be submitted to Council for review
3. Construction Site Stormwater Runoff Control	3.4	Construction Site Stormwater Reporting by Public	Implemented online complaint portal through the City's website for receiving input regarding sediment, erosion, and/or other construction related activities and documented all inquiries for future analysis, and training of staff to follow reporting and response procedures.	Yes. City investigator ensures problem areas are brought back into compliance, thus reducing pollution runoff. City staff conducted five (5) registered stormwater construction site inquires in this reporting period.
3. Construction Site Stormwater Runoff Control	3.5	Construction Site Inventory	Develop and maintain a list or inventory of all permitted active construction sites that result in a total land disturbance of one acre or more or that result in a total land disturbance of less than one acre if part of a larger common plan of development or sale that results in a total land disturbance of one acre or more.	Yes. Construction site inventory is developed and maintained. During this reporting period, a total of thirty nine (39) construction site activities were inventoried and documented. Thirty three (33) of these were non-municipal sites.

4. Post-Construction Management in New Development and Redevelopment	4.1	Post-Construction Plan Review	Review site plans for post-construction water quality considerations, including considerations for detention and retention facilities. Continue to enforce requirements for maintenance agreements for privately-owned structural controls to be filed in the real property records of the county. Maintain written procedures for City review of post construction water quality considerations and enforcements of maintenance agreements for privately owned structural controls.	Yes. Review of plans is used for the mitigation of impact. The numbers of plans that have been approved reflect the impact on post construction runoff will be minimal to the detention areas as well as to floodplains associated with the site, if applicable. The review process may require several modifications of a drainage plan by the engineer to allow the BMPs to operate at the maximum extent practicable. During this reporting period, the Engineering Division reviewed thirteen (13) new and re-development plan submittals.
4. Post-Construction Management in New Development and Redevelopment	4.2	Post-Construction Stormwater Ordinance	Review and update municipal ordinances to ensure compliance with MS4 permit requirements for post-construction stormwater management in development and new development.	Yes. During this reporting period UDC Article 12 and UDC Article 14 were review in June of 2020. There were no new changes to be incorporated into these Articles.
4. Post-Construction Management in New Development and Redevelopment	4.3	Detention Pond Maintenance, Inspection, and Enforcement	Identify, inventory, and inspect City and privately owned detention/retention according to written procedures. Document the results of the inspections including follow-up and/or enforcement actions.	Yes. Eighteen out of the twenty on(21) City owned and maintained detention ponds were inspected during this reporting year. 8 of those needed minor maintenance work. Forty-eight (48) privately owned ponds have been recorded and designated for yearly inspections (O&M agreements). Of the 48 ponds, 14 submitted their yearly inspections. In accordance with Year 2 requirements Private Detention/Retention Pond Maintenance guidelines were reviewed in June of 2020, and there were no new changes to be recorded. Implementation of this will be captured in Year 3 reporting.

5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.1	Storm Sewer Operation and Maintenance	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	Yes. Maintenance includes cleaning, clearing, seeding, and overall maintenance of the storm sewer systems. In 2019 and 2020, the City responded to 217 and 211 complaints and/or maintenance needs respectively.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.3	DCFCD Storm Sewer and Drainage Maintenance	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	Yes. As situations arise in the DCFCD that require maintenance or waste removal, this BMP helps to reduce the discharge of pollutants.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.4	MS4 Waste Disposal for DCFCD	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	Yes. Follow a standard operating procedure to clear and dispose of waste collected from the MS4 located in DCFCD.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.5	List Potential Problem Areas for Inspection	Develop a list of potential problem areas, then identify and prioritize areas for at least monthly inspection (i.e. illegal dumping).	Yes. Five (5) major problem areas were identified in Year 2. Monthly inspection were made.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.6	Street Operation and Maintenance	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.	Yes. Street sweeping and litter crews remove contaminants thereby reducing the associated risk to the environment. In 2019 and 2020, street sweeping operations collected 165.63 tons and 135.93 tons of litter respectively.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.7	Educating and Training City Field Staff	Inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices (see also BMP 2.14)	Yes. Ensures City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.8	Data Tracking	Track all City activities related to the Stormwater Management Program.	Not applicable.

5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.9	Contractor Compliance	Ensure contractors performing maintenance on City facilities meet program requirements and are provided oversight.	Yes. In 2016, language was developed to include in contracts for contractors hired by the City whose work has the potential to discharge pollutants into the MS4. In Year 2017, contractors were required to comply with the contracts with this new language. In 2020, list of all active city contractors was compiled. Out of the 46 active city contractors, 7 contractors were inspected randomly.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.10	Pollution Prevention for City Operation and Maintenance (O&M) Activities	Develop pollution prevention measures for City O&M activities. Perform inspections to ensure measures are working properly.	Yes. In Year 2, existing pollution prevention measures were inspected, pollutants of concerns were noted at 18 City facilities. (12 High Priority facilities and 6 other facilities) Inspection forms were used during these inspections.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.11	Structural Control Maintenance	Ensure proper maintenance of structural controls on City owned facilities.	Yes. In Year 2, retention/detention ponds were inspected at eighteen (18) City owned facilities. In addition, other structural controls, such as vegetative swales and rip-rap, were inspected during City facility inspections. No conditions needing maintenance were observed during this reporting period.
5. Pollution Prevention/ Good Housekeeping for Municipal Operations	5.12	Mapping Facilities	Identify the locations of City Owned and operated facilities and storm water controls.	Yes. List of City owned and operated facilities and stormwater controls was updated in 2020. This BMP helps keep track of the existing stormwater controls and identify new locations to install the controls which reduces discharge of pollutants in to the stormwater. Of 134 city facilities identified, storm water controls at the 18 city facilities were noted. 100% of 134 City facilities are mapped in the City's intranet GIS.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.13	Mosquito Management	Maintain mosquito management methods that will not result in illicit discharges to the MS4.	Yes. Controls products used and establishes processes so that applicators remain at a distance from fresh waterbodies.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.14	Facility Inventory	Maintain a facility and stormwater control inventory for City owned and operated facilities.	Yes. A list of stormwater controls for City facilities that have potential to discharge pollutants into the MS4 is maintained. List includes permit numbers, registration numbers, and authorizations for each.

5. Pollution Prevention/ Good Housekeeping for Municipal Operations	5.15	Facility Assessment	Identify high priority facilities and documents results.	Yes. List of 12 existing high priority facilities that have potential to discharge pollutants into storm water was reviewed. 100% of these facilities were inspected and the results were documents in 2020.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.16	Facility Specific SOPs and storm water controls for High Priority Facilities	Develop facility specific stormwater management SOPs and implement specific stormwater controls to minimize discharge of pollutants into stormwater at high priority facilties identified in BMP 5.15	Yes. A SOP was developed to identify, implement and maintain stormwater BMPs in facilities identified as high priority facilities to reduce stormwater pollution. Stormwater controls such as good housekeeping, de-icing and anti –icing material storage, fueling operations and vehicle maintenance, and equipment and vehicle washing were identified, implemented and inspected for proper maintenance at all high priority facilities **.**
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.17	Inspect City Facilities	Inspect high priority City facilities identified in BMP 5.15 for Best Management Practices.	Yes. An inspection form was used to inspect BMPs in the City facilities that were identified as high priority.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.18	Pesticide, Herbicide, and Fertilizer Application and Management	Evaluate landscape and pesticide management for City owned and operated areas and ensures proper management techniques are being implemented in order to decrease pollutants to the MS4.	Yes. Pesticide, herbicide, and fertilizers were properly collected and disposed of, preventing their entry into nearby waterbodies. When applicable, chemical application schedules are included in landscape and pesticide contracts to minimize discharges of pollutants due to irrigation or expected precipitation.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.19	Evaluation of Water Quality Impacts for City Flood Control Projects	Implement a process to require new City flood control projects to be designed to incorporate water quality protection for receiving water, and to evaluate opportunities to retrofit existing flood control devices for additional pollutant removal.	Yes. Implementing a process for flood control projects to incorporate water quality protection for receiving water, will reduce pollutant.
6. Industrial Stormwater Sources	6.1	Industrial Inspection Program	Require that facilities comply with any NPDES or TPDES stormwater permit applicable under the SIC code.	Yes. Ensures TPDES compliance.

6. Industrial Stormwater Sources	6.2	Existing SWP3s	The City maintains SWP3s for Multi-Sector General Permit sites, as required by the general permit TXR05000.	Yes. Inspections result in necessary updates to City SWPPPs. Training City staff increases effectiveness of BMPs and help to prevent pollutants from coming into contact with stormwater.

3. Progress towards reducing the discharge of pollutants to the maximum extent practicable. The following is a summary of the information used to evaluate reductions in the discharge of pollutants.

MCMs	***BMP***	***Information Used***	***Quantity***	***Units***	***Does BMP Demonstrate a Direct Reduction in Pollutants? (Yes / No / Explain)***
1: Public Education, Outreach, and Involvement	1.1 HHW Program	HHW Events	~58,510	Amount of waste removed in pounds.	Yes. The Environmental Quality Division held six (6) Household Hazardous Waste events during the reporting period. During this time 901 households participated in the events and ~58,510 pounds of hazardous waste products were recycled and HHW magnets were distributed to all the participants.
1: Public Education, Outreach, and Involvement	1.2 Pet Waste	Mulimedia, Events, Development Center, Animal services	Do the Right Thing PSA was broadcasted 365 times and 200 brochures were distributed.	PSAs, Brochures.	No. Though this BMP does not result in a direct reduction of pollutants, educating the citizens will eventually reduce litter, hence pollutants.
1: Public Education, Outreach, and Involvement	1.3 Environmental Compliance Workshop	Workshops	Three (3) Environmental compliance workshops were held in 2020.	Number of environmental compliance workshops	No. Though this BMP does not result in a direct reduction of pollutants, educating and promoting industries to reduce waste generated will eventually potential sources of stormwater pollution, hence pollutants.

1: Public Education, Outreach, and Involvement	1.4 Commercial/Industrial Activity Education on the Impacts of Floatables	Brochures and newsletter	In 2020, 100% of the 1112 food services were inspected . During inspections brochures and newsletters were distributed. Newsletters were also distributed to 405 industrial contacts. 100% of the brochures/newsletters are available on the City's website.	Inspections and informational brochures/ newsletters.	No. Though this BMP does not result in a direct reduction of pollutants, educating businesses of responsibility for floatables control will promote integration of practices to reduce floatables into existing activities and eventually reduce the amount of floatables, hence pollutants.

1: Public Education, Outreach, and Involvement	1.5 Information for ARBs	Newsletters	625 ARBs were inspected in 2020. 97 new ARBs opened in 2020, 100% of them were provided with automotive and stromwater quality information. AutoWatch Newsletter was published twice in 2020 and distributed to 625 ARBs. There are 752 contacts in the ARB mailing list. AutoWatch was also electronically mailed to the 100% of the ARBs in the mailing list.	Inspections, Newsletter	No. Though this BMP does not result in a direct reduction of pollutants, educating businesses about the impact of automotive sector's pollutants on water quality will promoted integration of pollution prevention practices into existing activities through the distribution of AutoWatch newsletter with information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspection and will eventually reduce pollutants.
1: Public Education, Outreach, and Involvement	1.6 Funding for Elementary School Curriculum on Stormwater Quality	Elementary School	In 2019, the City purchased 60 English and 30 Spanish replacement Major Rivers Educational Packets for GPISD. In 2020, GPISD did not request the City to purchase additional educational packets.	Educational Packets.	No. Though this BMP does not result in a direct reduction of pollutants, this program emphasizes the importance of stormwater pollution controls to young students who in turn may relay this information to their older parents/guardians and will eventually reduce pollutants.
1: Public Education, Outreach, and Involvement	1.7 Pipeline Newsletter	Utility Bill Inserts	Fourteen (14) stormwater related articles were published and distributed during this reporting period.	Stormwater Related Articles	No. Though this BMP does not result in a direct reduction of pollutants, raising awareness of stormwater issues among citizens will eventually lead to reduction in pollutants.

1: Public Education, Outreach, and Involvement	1.8 Multimedia Education	Multimedia	Stormwater Quality PSAs were broadcasted 3,285 times. 18 stormwater quality messages were posted on Facebook. 294 employees viewed stormwater related video.	PSAs and Facebook posts	No. Though this BMP does not result in a direct reduction of pollutants, this BMP promotes watershed awareness for citizens, City staff, and visitors using multiple types of media, including a website, City's cable channel, and Facebook which will eventually lead to reduction in pollutants.
1: Public Education, Outreach, and Involvement	1.9 Tailor Outreach Programs to non-English languages	Brochures	Brochures were distributed 3 locations Development Center, Animal Services and City Hall where most of the Citizens visit.	Locations	No. There is a high population of only Spanish speaking citizens in Grand Prairie. Though this BMP does not result in a direct reduction of pollutants, this BMP ensures educational materials are translated into Spanish and will eventually lead to reduction in pollutants.
1: Public Education, Outreach, and Involvement	1.10 Storm Drain Markers	Storm Drains	116 storm drain makers were placed during this reporting period.	Labels	No. Though this BMP does not result in a direct reduction of pollutants, it increases awareness of the storm drain system to citizens and to those installing marker and will eventually lead to reduction in pollutants.
1: Public Education, Outreach, and Involvement	1.11 Public Education Event	Watershed model display, brochures	1 public education event was held in 2020.	Number of events	No. Though this BMP does not result in a direct reduction of pollutants, event brings awareness to stormwater issues and reaches hundreds of residents in one day which will eventually lead to reduction in pollutants

1: Public Education, Outreach, and Involvement	1.12 Clean Rivers on Website	Website	In 2020, Clean Rivers web link was viewed 74 times.	Website views	No. Though this BMP does not result in a direct reduction of pollutants, educating citizens with stream monitoring information available for review on the Clean Rivers Program website will help the citizens better understand the water quality issues which will eventually lead to reduction in pollutants.
1: Public Education, Outreach, and Involvement	1.13 Don't Bag It	Newsletter	1 article was posted in the Pipeline Newsletter that was distributed approximately 46,000 Grand Prairie Citizens and brochures were distributed at 3 locations.	Articles, Brochures	No. Though this BMP does not result in a direct reduction of pollutants, encouraging Citizens to reduce potential storm water contaminants such as fertilizers, insecticides and herbicides, while preserving valuable landfill space will eventually lead to reduction in pollutants.
1: Public Education, Outreach, and Involvement	1.14 H20 Line	Newsletter	Newsletters were distributed to 405 industrial businesses representatives during this reporting period.	Number of businesses reached.	No. Though this BMP does not result in a direct reduction of pollutants, it gives industries BMP information to increase compliance with industrial stormwater permit which will eventually lead to reduction in pollutants.
1: Public Education, Outreach, and Involvement	1.15 Educational Material for Construction Site Personnel	Developme nt center	200 brochures were distributed.	Brochures	No. Though this BMP does not result in a direct reduction of pollutants, educating construction site personnel on BMPs and erosion control will eventually lead to reduction of erosion and sediment discharge, hence pollutants.

1: Public Education, Outreach, and Involvement	1.16 Public Notice in Development of SWMP	SWMP	0	Public Comments	No. Though this BMP does not result in a direct reduction of pollutants, making the SWMP available on the City website, and at the Main Grand Prairie Library provides opportunity for public and City Staff to make most appropriate decisions for SWMP and will eventually lead to reduction in pollutants.
1: Public Education, Outreach, and Involvement	1.17 Texas Stream Team	Training	City has four (4) existing monitors. In 2020, two (2) individuals were certified as Texas Stream Team Trainers and three (3) individuals were trained as Citizen Scientist.	Stream Monitors	No. Stream monitors sample at different locations and/or times than the City's stream monitoring. Data collected has the potential to reveal areas needing further monitoring, remediation, and/or enforcement..
1: Public Education, Outreach, and Involvement	1.18 Master Composter	Training	In 2020, Master Composter class cancelled due to COVID-19.	Master Composter Class and number of participants	No. Though this BMP does not result in a direct reduction of pollutants, providing training and education on composting to public will encourage reduction in fertilizer and pesticide use, hence pollutants.
1: Public Education, Outreach, and Involvement	1.19 Illegal Dumping and Cleanup	Web link	73 investigations were conducted in 2020.	Investigations	Yes. Encouraging public to report illegal dumping can help City Staff cleanup debris or pollutants which will reduce pollutants.

1: Public Education, Outreach, and Involvement	1.20 Stakeholder Meetings and Task Force Groups	SWMP	Environmental Quality and Code Enforcement Division held five Auto Related Business Compliance Meetings on February 4, February 27, March 18, March 25 and September 10 with attendance record of sixty nine (69), twenty four (24), eleven (11), zero (0) and eleven (11) respectively. Staff from the Environmental Quality Division also attended the Watershed Protection Plan – Joe Pool Lake Information Session at TRA, Greater Trinity River Bacteria TMDL I-Plan Coordination Committee meeting, Regional Stormwater Management Coordinating Council meetings, and Public Education, Pollution Prevention, and IDDE task force meetings held through NCTCOG	Stormwater Related NCTCOG Meetings and Stakeholder meeting with Auto Related Businesses	No. Though this BMP does not result in a direct reduction of pollutants, Citizens and City staff come together to make most appropriate decisions for SWMP which will lead to reduction of pollutants.

1: Public Education, Outreach, and Involvement	1.21 Neighborhood Outreach	Neighborhood associations	225 clean up or awareness events were conducted in 2020.	Cleanup or Awareness Events	Yes. Neighborhood associations are encouraged to conduct cleanup events to remove litter from neighborhoods, hence reduction in pollutants.
1: Public Education, Outreach, and Involvement	1.22 School Outreach	Partnership between the City's Keep Grand Prairie Beautiful Program and a local school district	Six (6) Adopt-a-stream clean up events were scheduled in partnership between the City's Keep Grand Prairie Beautiful Program and a local school district.	Adopt-a-stream clean up events	Yes. Gets students and faculty involved in stewardship oriented activities, including Adopt-A-Stream cleanup efforts, storm drain marking projects, water quality monitoring programs and watershed education programs, resulting in the reduction of storm water pollutants.
1: Public Education, Outreach, and Involvement	1.23 Annual Environmental Compliance Achievement Awards	Compliance Meeting	In 2020, 19 awards were distributed for 100% compliance.	Awards distributed for 100% Compliance	No. Though this BMP does not result in a direct reduction of pollutants, it mandates stormwater compliance to achieve recognition, which will eventually lead to reduction in pollutants.
2. Illicit Discharge Detection and Elimination	2.1 GIS MS4 Database	Outfalls	One GIS Map database is maintained with outfalls, hydrology, and storm drain lines.	Map Database	No. Map is used to trace illicit discharges to waterbodies that allows for effective remediation of spills, illicit discharges, and SSOs, hence reduction in pollutants.
2. Illicit Discharge Detection and Elimination	2.2 Priority Areas	Illicit discharges, illegal dumping	One Map is maintained with priority area.	Map and process	No. The City maintained document with process for selection of priority areas. A Map is maintained with areas within the city that are likely to have an illicit discharge so that monitoring efforts in these areas may increase, which will eventually reduce pollutants.

2. Illicit Discharge Detection and Elimination	2.3 Dry Weather Field Screening	Outfalls	104 outfalls were inspected in 2020 for possible illicit discharges.	Inspections	Yes. During dry weather screening any non-stormwater discharges, including illegal dumping, into the storm sewer system are detected and remediated to reduce pollutants from entering water bodies.
2. Illicit Discharge Detection and Elimination	2.4 Complaint response and database	Complaints	360 investigation were completed in 2020.	Investigations	Yes. Incidents such as spills, illicit discharges, or sanitary sewer overflows are mitigated. Eight (8) spills and six (6) SSOs were investigated and resolved during this reporting period.
2. Illicit Discharge Detection and Elimination	2.5 Illicit Discharge/Spill Procedures	Spills/ Illicit discharges	Investigation of 100% of the 8 spills and 100% of 360 illicit discharges complaints were completed in 2020.	Response to spills and illicit discharge complaints.	Yes. Following Standard operating procedures used for responding and mitigating to Stormwater pollution incidents such as spills and complaints reduces pollutants. The City maintained standard operating procedures for the following types of spills: diesel or oil, hazardous materials for transportation incidents, hazardous materials for general materials incidents, hazardous materials for small spills, spill reporting guidelines, gas padsite fracturing fluids, and passenger vehicle fires and fluid spills.
2. Illicit Discharge Detection and Elimination	2.6 Source Investigation and Elimination	Complaints	360 investigations were performed in 2020.	Investigations	Yes. Identify and locate the source of illicit discharges and/or spills. are identified and located. Responsible parties are required to perform all necessary corrective actions to eliminate the illicit discharge and/or spills that reduces pollutants. One illicit discharge extended outside of Grand Prairie and the neighboring MS4 (City of Arlington) was notified to take corrective actions.

2. Illicit Discharge Detection and Elimination	2.8 Structural control for floatables	Locations	Two locations in the City was identified to install structural control.	Number of locations.	Yes. Structural controls collect and remove floatables from entering into the waterways.
2. Illicit Discharge Detection and Elimination	2.7 Spill response	Complaints and training	8 spills were investigated and twelve emergency responder sessions were held.	Investigations and Emergency Responder Sessions	Yes. Abates pollutants in our waterbodies
2. Illicit Discharge Detection and Elimination	2.9 Building Project Review Process	Building Project Review Application	447 Building Projects and 798 Certificate of Occupancy were reviewed.	Reviews/Inspections	No. Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process which will eventually reduce pollutants.
2. Illicit Discharge Detection and Elimination	2.10 Illegal Dumping Cleanup	Complaints	The City responded to 73 illegal dumping complaints during this reporting period.	Investigations	Yes. Clean-up reduces potential pollutants.
2. Illicit Discharge Detection and Elimination	2.11 Streams Sampling	Monthly Stream Sampling Event	23 stream sites were sampled monthly for 12 months.	Sampling Events	Yes. Atypical results are investigated and mitigated. Pollutants are reduced to the MEP. See Appendix A for a summary of the monthly stream sampling results.
2. Illicit Discharge Detection and Elimination	2.12 SSO Response	Complaints	Water Utilities reported fifteen (15) SSOs to TCEQ. Environmental Services investigated 100% of these SSOs in 2020.	Investigations	Yes. Ensures the protection of our waterways following an SSO which reduces pollutants.

2. Illicit Discharge Detection and Elimination	2.13 Illicit Discharge Awareness Campaign for Businesses and General Public	Multimedia, events	One public events was held where general public was distributed with brochures, Newsletters were emailed to 405 businesses point of contacts. In addition, 18 stormwater related Facebook messages were posted.	Posters, Brochures, videos, newsletters	No. Though this BMP does not result in a direct reduction of pollutants, informing businesses and the general public of hazards associated with illegal discharges and improper disposal of waste will eventually reduce pollutants.
2. Illicit Discharge Detection and Elimination	2.14 Educating and Training City Field Staff	Training	100% of the 294 new employee watched Preventing Storm Water Pollution: What We Can Do". In addition, two new employees attended Basic Dry Weather Field Screening workshop. 250 vehicle decals with contact information in the event staff observes an illicit discharge were distributed.	Number of Staff and Decals	No. Though this BMP does not result in a direct reduction of pollutants, ensuring City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training will eventually reduce pollutants.
2. Illicit Discharge Detection and Elimination	2.16 Litter Collection	Amount of litter collected	The Litter Crew collected 76.68 tons of litter during this reporting period.	Tons	Yes. By preventing litter from remaining in the environment, both surface and groundwater are protected from potential contamination associated with it.

2. Illicit Discharge Detection and Elimination	2.17 Beach Sampling Program	Monthly Sampling events during summer	Five (5) monthly sampling events were held in 2020.	Sampling events	Yes. Reduces health risks to citizens. Pollutants are reduced to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels. See Appendix B for results for this reporting period.
2. Illicit Discharge Detection and Elimination	2.18 On Site Sewage System Permitting	Permits and complaints	Three (3) OSSF permits were issued and zero (0) complaint was received during this reporting period.	Permits and complaints	Yes. Failing septic systems are identified and abated hence reduces pollutants.
2. Illicit Discharge Detection and Elimination	2.19 Auto Inspection Program	Auto Related Businesses	98.73% of the Auto Related Businesses were inspected in 2020.	Inspections	Yes. Enforcement and education encourages businesses to prevent pollutants from coming into contact with stormwater.
2. Illicit Discharge Detection and Elimination	2.20 Grease Trap Pumping	Inspections	During 2020, over 90% of food services were inspected. In 2020, Grand Prairie received 3,475 trip tickets for grease or sand traps pump outs. There were 3,517 events due during this period. This is a compliance rate of 98.8%. Fourty Two (42) charges were issued to health permit holders for not pumping grease traps.	Inspections and Violations	Yes. Pumping helps to reduce the number of illicit discharges, hence pollutants.
2. Illicit Discharge Detection and Elimination	2.21 Horse Stables	Horse Stables	17 Horse stables were inspected in 2020.	Inspections	Yes. Horse stables inspections ensure that horse manure is properly disposed of so that sources of bacteria are reduced.

2. Illicit Discharge Detection and Elimination	2.22 Joe Pool Lake (JPL) Wastershed Protection Plan	Collaboration with Trinity River Authority to produce the plans of action to address water quality.	Four (4) JPL watershed protection plan meetings were held in January, February, August, and November of 2020. The City staff attended 100% of these meetings.	Number of meetings.	No. After the development of watershed protection plan and implementing actions to address water quality issues within Joe Pool Lake Watershed will eventually reduce pollutants.
2. Illicit Discharge Detection and Elimination	2.23 Sanitary Sewer Systems	C-MOM Program, I&I Replacement Program, Scada System, Smart Covers	1666 service requests were received and completed in 2020.	Service Request	Yes. Maintenance of sanitary sewer systems and lift stations reduces SSOs, which eventually reduces pollutant.
3. Construction Site Stormwater Runoff Control	3.1 Construction Plan Review	Plans	70 Plans were reviewed in 2020.	Reviews	No. Though this BMP does not result in a direct reduction of pollutants, conducting plan reviews to determine the effectiveness of the drainage and erosion control measures in plans and providing comments for revisions to reduce to the maximum extent practicable potential site specific erosion control concerns will eventually reduce pollutants.
3. Construction Site Stormwater Runoff Control	3.2 Construction Site Inspection and Enforcement	Construction sites	876 construction site inspections were conducted in 2020.	Inspections	Yes. By inspecting the contractor-owned construction sites, we can evaluate if proper BMPs are in place to reduce sediment discharge and erosion.

3. Construction Site Stormwater Runoff Control	3.3 Construction Ordinance	Stormwater Ordinance and UDC	During 2020, 4 Notices of Violations were issued.	Violations	No. Though this BMP does not result in a direct reduction of pollutant, stormwater ordinance and Unified Development Code (UDC) ensure sediment and erosion control requirements are met, which will eventually reduce pollutants.
3. Construction Site Stormwater Runoff Control	3.4 Construction Site Stormwater Reporting by Public	Complaints	During 2020, 5 registered Stormwater Construction Site investigations were conducted.	Investigations	Yes. Possible discharge of sediment into the water bodies were mitigated. Five complaints were investigated and resolved in 2020.
3. Construction Site Stormwater Runoff Control	3.5 Construction Site Inventory	SWPPP	During 2020, 39 construction site activities were inventoried and documented.	Construction Sites	No. Though this BMP does not result in a direct reduction of pollutant, maintaining construction site inventory of all permitted active construction sites helps in process to select, install, implement, and maintain proper stormwater control measures that prevent illicit discharges to the maximum extent possible, hence reduction in pollutants.
4. Post-Construction Management in New Development and Redevelopment	4.1 Post-Construction Plan Review	Plans	During 2020, 13 new and re-development plans were reviewed.	Reviews	No. Though this BMP does not result in a direct reduction of pollutant, review of plans is used for the mitigation of impact. The numbers of plans that have been approved reflect the impact on post construction runoff will be minimal to the detention areas as well as to floodplains associated with the site, if applicable. The review process may require several modifications of a drainage plan by the engineer to allow the BMPs to operate at the maximum extent practicable, which will eventually reduce pollutants.

4. Post-Construction Management in New Development and Redevelopment	4.2 Post-Construction Stormwater Ordinance	State and Federal Regulations	1	Number of reviews	No. Though this BMP does not result in a direct reduction of pollutant, municipal ordinances ensure compliance with MS4 permit requirements for post-construction stormwater management in development and new development which will eventually reduce pollutants.
4. Post-Construction Management in New Development and Redevelopment	4.3 Detention Pond Maintenance, Inspection, and Enforcement	City owned and privately owned ponds	During 2020, 18 City owned ponds were inspected and 8 of those needed minor maintenance work. 14 out of the 48 privately owned ponds submitted yearly inspection reports as per the signed O&M agreement. In accordance with Year 2 requirements Private Detention/Retention Pond Maintenance guidelines were reviewed in June of 2020, and there were no new changes to be recorded. Implementation of this will be captured in Year 3 reporting.	Inspections	Yes. By inspecting the city owned and privately owned ponds, we can evaluate if the ponds are being maintained properly to reduce sediment discharge and erosion.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.1 Storm Sewer Operation and Maintenance	Complaints and maintenance	In 2020, 211 responses for storm drain complaints and maintenance were completed.	Responses	Yes. Maintenance includes cleaning, clearing, seeding, and overall maintenance of the storm sewer systems.

5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.3 DCFCD Storm Sewer and Drainage Maintenance	Complaints and Field observations	0, No written complaints were filed in year 1	Maintenance and Improvements	Yes. Based on complaints and field observations maintenance or waste removal are conducted in the DCFCD that helps to reduce the discharge of pollutants
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.4 MS4 Waste Disposal for DCFCD	State and Federal Regulations	One SOP is maintained for the disposal of waste removed from the MS4.	SOPs	No. Maintaining standard operating procedure for the disposal of waste removed from the MS4 will dispose and remove the water properly which will eventually reduce pollutants.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.5 List Potential Problem Areas for Inspection	Illegal Dumping	Five (5) major problem areas were identified in Year 2. Monthly inspection were made.	Number of problem areas and frequency of inspection	Yes. Inspecting the major problem areas with illegal dumping issues and reduces the amounts of illegal dumping.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.6 Street Operation and Maintenance	Litter Collected	135.93 tons of materials were collected during street sweeping and delivered to the Grand Prairie Landfill for proper disposal during this reporting period. In addition, the litter crew collected 79.68 tons of litter.	Tons	Yes. Street sweeping and litter collection removes contaminants thereby reducing the associated risk to the environment.

5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.7 Educating and Training City Field Staff	Training	In 2020, 250 vehicle decals with contact information in the event staff observes an illicit discharge were distributed and over 80% of the field staff at Grand Prairie Landfill , Airport and Service Center storm water pollution prevention video. In addition 294 new City employees also watched the stormwater pollution prevention video.	No. of Decals and No. of Employees	No. Though this BMP does not result in a direct reduction of pollutant, training appropriate employees involved in implementing pollution prevention and good housekeeping practices will eventually reduce pollutants.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.8 Data Tracking	Stormwater Management Program	In 2020, all of activities required for 74 BMPs designated for Year 2 were completed.	BMPs	No. This BMP meets the requirement of record keeping by identifying any newly listed impaired segment, by tracking all City activities related to the Stormwater Management Program and preparing annual report.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.9 Contractor Compliance	Contractor Agreement	Out of the 46 active city contractors, 7 contractors were inspected randomly.	Inspections	Yes. This BMP ensures contractors performing maintenance on City facilities meet program requirements and are provided oversight. City contractors are randomly inspected for any possible sources of illicit discharges. If any illicit discharge is identified, proper procedures if followed to correct it, which reduces pollutants.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.10 Pollution Prevention for City Operation and Maintenance (O&M) Activities	Pollution prevention measures for City O&M activities	In 2020, twelve (12) High priority facilities and six (6) other city facilities were inspected.	Inspections	No. Though this BMP does not result in a direct reduction of pollutant, performing pollution prevention measures inspection at City facilities to ensure measures are working properly. will eventually reduce pollutants.

5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.11 Structural Control Maintenance	Retention/detention ponds and City Owned Facilities	In 2020, 18 Retention/detention ponds were inspected.	Inspections	No. Though this BMP does not result in a direct reduction of pollutant, ensuring proper maintenance of structural controls on City owned facilities will eventually reduce pollutants.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.12 Mapping Facilities	City owned facilities	All of the 134 City owned, and operated facilities locations was updated and mapped in the GIS intranet. 18 of these facilities were inspected in 2020 and the stormwater controls at all these facilities were updated.	Inspections	No. Though this BMP does not result in a direct reduction of pollutant, inspections and keep track of structural controls on City owned facilities will eventually ensure reduction of pollutants.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.13 Mosquito Management	Integrated Mosquito management methods	In 2020, adulticide was applied 48 times and 100% of the time integrated mosquito management method was followed. For larvae control low toxicity bio-controls were used 100% of the time.	Number of times integrated mosquito management methods followed.	No. This BMP controls products used and establishes processes so that applicators remain at a distance from fresh waterbodies that will not result in illicit discharges to the MS4, which eventually reduces pollutants.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.14 Facility Inventory	City owned and operated facilities	In 2020, list of 134 City owned facilities with stormwater control structure was maintained.	Storm water Control structures	No. This BMP meets the requirement of MS4 General permit by maintaining a list of stormwater controls for City owned and operated facilities.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.15 Facility Assessment	High Priority Facilities	In 2020, all 12 of the identified high priority facilities were inspected and the inspection results were documented.	Number of inspections	No. This BMP ensures facilities with potential to discharge pollutants into stormwater are following proper prevention measures.

5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.16 Facility Specific SOPs and stromwater controls for High Priority Facilities	High priority facilities identified in BMP 5.15	One Facility Specific SOP was maintained.	SOP	No. Though this BMP does not result in a direct reduction of pollutant, developing facility specific stormwater management SOPs and implement specific stormwater controls to minimize discharge of pollutants into stormwater at high priority facilties identified in BMP 5.15 will eventually reduce pollutants.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.17 Inspect City Facilities	High Priority Facilities	Twelve (12) High Priority facilities and six (6) other city facilities were inspected in 2020.	Inspections	No, Inspecting high priority City facilities identified in BMP 5.15 ensures Best Management Practices are followed to reduce pollutants to maximum extent possible.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.18 Pesticide, Herbicide, and Fertilizer Application and Management	City owned and operated area	One SOP is maintained for fertilizer and pesticide application and flyer with best management practices were distributed to contractors.	SOP	Yes. Evaluate landscape and pesticide management for City owned and operated areas and ensures proper management techniques are being implemented in order to decrease pollutants to the MS4.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.19 Evaluation of Water Quality Impacts for City Flood Control Projects	Flood Control Projects	During this review period 3 sites where considered appropriate for water quality impacts for flood control.	Number of sites considered for water quality impacts for flood control.	Yes. Implement a process to require new City flood control projects to be designed to incorporate water quality protection for receiving water, and to evaluate opportunities to retrofit existing flood control devices for additional pollutant removal.

6. Industrial Stormwater Sources	6.1 Industrial Inspection Program	NPDES or TPDES stormwater permit	In 2020, thirty-one industries with wastewater discharge permit were inspected. Out of which seventeen (17) industries had filed for NOI and SWPPP and twelve (12) industries had filed for NEC. Additionally, 126 non-permitted facilities out of 329 were inspected in 2020.	Inspections	Yes. Inspections of the facilities ensure compliance with any NPDES or TPDES stormwater permit applicable under the SIC code and identifies any possible sources of illicit discharges, which reduces pollutants.
6. Industrial Stormwater Sources	6.2 Existing SWP3s	SWP3s for Multi-Sector General Permit sites	In 2020, both Grand Prairie Airport and Landfill were inspected.	Inspections	Yes. Inspections result in necessary updates to City SWPPPs. Training City staff increases effectiveness of BMPs and help to prevent pollutants from coming into contact with stormwater which reduces pollutants.

4. Measureable Goals Status

MCM/BMP	BMP Description	Measurable Goals	Explain progress toward goal or how goal was achieved
1.1 Household Hazardous Waste (HHW) Program *(TMDL)*	Reduction of the unauthorized disposal of household hazardous waste will be promoted through the distribution of	1. Distribute 100 pamphlet and/or wheel distribution at the Development Center	Exceeded goals **12/31/2020** *HHW Magnets* During this reporting period, 6 HHW events were held,

	educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste.	2. Discuss hazards of household hazardous waste at least 1 time per year in a City newsletter 3. Handout HHW magnets to at least 100 citizens per year 4. Conduct one review of the contract with Forth Worth annually to allow Grand Prairie citizens to drop off HHW at the Environmental Collection Center 5. Annually hold at least 1 HHW collection event in Grand Prairie.	901 households participated in the events and ~58,510 pounds of hazardous waste products were recycled. HHW magnets and Earth Saver wheels were distributed to all the participants. **12/31/2020** *Pipeline Articles* During this reporting period, eight (8) articles advertising HHW events and/or discussing the hazards of disposing of household hazardous waste improperly were printed in the Pipeline, a City newsletter distributed via water utility bills and available on the City's website. **12/31/2019** The City of Grand Prairie reviewed and maintained a contract with the Fort Worth Environmental Collection Center for the proper disposal of household hazardous waste. This contract allows City of Grand Prairie residents to dispose of their household hazardous waste during the regular operating hours of the Collection Center. In addition, the Environmental Quality Division takes all household hazardous waste collected during HHW events to the Collection Center
1.2 Pet Waste Management Education and Involvement *(TMDL)*	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach.	1. Annually distribute a minimum of 200 informative brochures at the Development Center and/or at educational events 2. Install 2 pet waste collection dispensers at any future pet park to	Met goals **12/31/2020** *"Doo the Right Thing" Video* The "Doo the Right Thing" video is posted on the City's website at www.gptx.org/EnvironmentalQuality/PetWaste. In addition, this video aired on GPTV once a day, every day in Year 2.

		promote proper owner disposal of pet waste	**12/31/2020** *Display Poster, and brochures* The City distributed Pet Waste & Water Quality brochures (in English and Spanish) explaining the environmental issues associated with pet waste and how to dispose of the waste properly. Two-hundred (200), or as many as needed, of these brochures were distributed at the Development Center and Prairie Paws Adoption Center. In addition, the "If you think picking up poop is unpleasant, try drinking it" poster is displayed in Environmental Quality Division's office . **12/31/2020** *Pet Waste Collection Dispensers* No new pet parks were developed in Grand Prairie during this reporting period.
1.3 Environmental Compliance Workshops *(TMDL)*	Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and potential sources of stormwater pollution..	1. Encourage P2 measures through semi-annual environmental compliance workshops.	Exceeded goals **10/6/2020** *Environmental Compliance Workshops* The Environmental Quality Division held three Environmental Compliance Workshops during the reporting period. On January 29, 2020, Peter Baldwin with HydroTech Solutions presented on. *High Performance Water Management for Industrial Facilities*; on August 4, 2020 , Cindy Mendez with the City of Grand Prairie presented on COVID-19 updates and Clean Air Action Challenge; on October 6, 2020 the City hosted the Annual Awards Luncheon where P2 awards were given to three industries and nineteen (19) industries were given awards for 100% Compliance.
1.4 Commercial and Industrial Activity Education on the Impacts of Floatables *(TMDL)*	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing	1. Distribute informative brochures to 50% of the industrial facilities and food permit holders inspected each	Met goals **12/31/2020** *Brochure Distribution* Distributed English and Spanish "Clean It Right" brochures to food permit holders during inspections, at

	activities by distributing information to selected facilities during routine inspections.	calendar year. 2. 80% of the informative brochures will be available on the City website.	Food School, and at the Development Center. "An Industry's Guide for Protecting Grand Prairie's Watershed" was distributed during industrial inspections and at the Development Center. **01/1/2020** *Brochures on Website* 100% of the "Clean it Right" and "An Industry's Guide for Protecting Grand Prairie's Watershed" brochures are on the City's website. These brochures may be found at www.gptx.org/environmentalquality/FoodService and www.gptx.org/environmentalquality/Industrial, respectively.
1.5 Informational Material for Automotive Related Businesses ***(TMDL)***	Awareness of the impact of the automotive sector's pollutants on water quality will be integrated into existing activities through the distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections.	1. Distribute automotive and stormwater quality informative material during 100% of Certificate of Occupancy inspections. 2. Publish Auto related business BMPs once during the permit term on the City's website. 3. Create mailing list of ARB and industrial facilities and electronically mail out annually informative material regarding stormwater BMPs to 100% of the ARB mailing list. 4. Create and distribute a water quality and	Met goals **12/31/2020** *ARB Educational Materials* Environmental Specialists with the Environmental Quality Division distributed automotive and stormwater quality educational materials during Certificate of Occupancy inspections. Materials included items such as posters, Auto Watch (an Environmental Quality and Code Enforcement publication); a list of State permitted liquid and solid waste haulers, the City's Automotive Related Business ordinance, Operational Requirements for Mobile Wash Vendors, and stormwater and backflow brochures. **1/1/2019** *BMPs on Website* Auto related BMPs are posted on Environmental Quality's Auto Related Business Education webpage. This page may be found at www.gptx.org/ ARB. **12/31/2020** *AutoWatch* Autowatch Newsletter featuring environmental issues specific to automotive related businesses was distributed

		code enforcement "AutoWatch" publication featuring environmental issues specific to automotive related businesses to at least 300 businesses annually.	to at least 625 businesses and electronically mailed to 100% of the ARB mailing list in January and July of 2020.
1.6 Funding for Elementary School Curriculum on Stormwater Quality *(TMDL)*	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.	1. Respond to 100% of the Grand Prairie ISD requests to purchase Major Rivers© or similar curriculum.	Met goal **12/31/2020** *Major Rivers Order* Grand Prairie ISD did not request to purchase additional Major Rivers or similar curriculum
1.7 Pipeline Newsletter ***(TMDL)***	Raise awareness of stormwater issues for citizens by placing articles in the water utility bill insert.	1. Annually distribute information about stormwater issues in the water utility bill insert to 80% of the City's customers.	Exceeded goal **12/31/2020** *Pipeline Articles* The City distributed stormwater related articles with the water utility bill to 100% (44,000) of the City's customers. Eight (8) Pipeline articles contained information on household hazardous waste issues and events, one (1) contained information about keeping leaves from streets and alleys , one (1) contained information about storm inlets and pollution prevention, one (1) contained information on how to properly handle grass clippings, one (1) sought volunteers for a City hosted stream clean-up, one (1) contained information on how to report pollution, and one (1) article included information on the master composter classes offered by the City.
1.8 Multimedia Stormwater Public Education	Promote watershed awareness for citizens, City staff, and visitors using	1. Have stormwater quality public service announcement on	Exceeded goals **12/31/2020**

(TMDL)	multiple types of media, including a website, City's cable channel, and Facebook.	GPTV at least once per year. 2. Post stormwater quality message on Facebook at least twice per year. 3. One time publish Stormwater Pollution Prevention information on the City's website. 4. Require 90% of the new employee to view stormwater related video. 5. Annually review the number of views of *Find Your Watershed* hyperlink on the City's website, where citizens can enter their address and find out their watershed.	*Stormwater Post on Facebook* Eighteen (18) posts with a stormwater quality message were placed on Facebook. Messages discussed how to keep grease from entering the drain, watershed protection, stream cleanup events, pet waste, and fertilizer and pesticides. **12/31/2020** *Stormwater PSAs on GPTV* The City airs the following stormwater pollution prevention PSA videos on GPTV once a day, seven days a week: Doo the Right Thing, Auto Fluids, Detergents, Yard Waste, Paints, and Fertilizers. A Stormwater to Drinking Water PSA airs four times a day, 7 days a week. (See also BMP 2.13) **12/31/2020** *New Employee Orientation* Presented "Preventing Storm Water Pollution: What We Can Do" video to 100% of the 294 employees using the City's new Onboard system. **1/1/2019** *Stormwater Information on Website* The Environmental Quality Division maintains stormwater educational material for the Environmental Quality website. This information is updated as needed and includes pages for the following topics: Stormwater, What are Watersheds?, Pet Waste, Cooking Oils, Lawn Chemicals, Volunteering, Stream Monitoring, Kids Activities, Storm Water Management Program, and Texas Stream Team. The address to this website is: www.gptx.org/EnvironmentalQuality/Stormwater. **12/31/2020** *Number of Views of Find Your Watershed hyperlink* The *Find Your Watershed* was viewed 283 times in 2020.

1.9 Tailor Outreach Programs to non-English languages ***(TMDL)***	Ensure educational materials are translated into Spanish, as needed.	1. Provide 50% of educational materials in Spanish, when available.	Met goals **1/1/2020** *Educational Materials in Spanish* The City provides residents with 80% of the stormwater educational materials in Spanish. This includes the following: Lawn Care Maintenance, Fat Free Sewers, Steps to Obtain Construction Permits for Storm Water Discharges, Pet Waste & Water Quality, Preventing Stormwater Pollution at Construction Sites, Clean It Right, Floodplain information, household hazardous waste collection center, Clean Shop posters, and the Auto Related Business Ordinance.
1.10 Storm Drain Markers ***(TMDL)***	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.	1. Purchase and install 100 of the City's unmarked storm drain curb inlets annually. Volunteers will be enlisted to help with the installation, when available.	Exceeded goals **07/17/2018** *Storm Drain Marker Purchase* The Environmental Quality Division purchased 400 plastic curb markers to place on storm inlets. **12/31/2020** *Storm Drain Labeling* 116 storm drain makers were placed in 2020.
1.11 Public Education Event ***(TMDL)***	Hold an educational event that demonstrates the effects of various residential and commercial pollutants on stormwater quality and promotes stormwater BMPs.	1. Annually hold a public education event that focuses on education through involvement and promotional giveaways.	Met goal **1/25/2020** *Public Education Events* The City hosted *Fish Creek Clean Up Event* on 1/25/2020 staff distributed stormwater related educational materials, had interactive games for the attendees, and demonstrated the Watershed map.
1.12 Clean Rivers Program	Stream monitoring information is made available for review on the Clean Rivers Program website. Access to this site will be provided through	1. Annually review the number of times the link for Clean River Program was viewed by visitors on the Maintain link to the	Met goal **12/31/2020** *CRP Link on City Website* Provided link to Clean Rivers Program on the City website. The link was viewed 74 times in 2020. The

	the City's website.	Clean Rivers Program's website on the City's website.	Clean Rivers Program allows the public to search for and view sampling results of the waterways in the area: www.gptx.org/EnvironmentalQuality/StreamMonitoring.
1.13 Don't Bag It! Program	Encourage participants to mulch grass and yard clippings as a compost instead of application of commercial fertilizers.	1. Distribute public education materials about the program at 3 venues located throughout the city. 2. Provide information about the program in the water bill insert to 80% of the City's water customers.	Met goals **12/31/2020** *Distribution of Educational Materials* Educational materials about the Don't Bag It! program were distributed at the City of Grand Prairie Landfill, Lake Parks Operations and the Prairie Paws Adoption Center. **03/01/2020** *"Don't Bag It" in Pipeline* One (1) "Don't Bag It" article was printed in and distributed through the water bill insert (Pipeline) which was distributed to 100% (44,000) of the City's water customers.
1.14 H_2O Line	Produce and distribute a newsletter to selected industrial sectors and automotive related businesses featuring stormwater topics.	1. Produce and distribute a newsletter promoting pollution prevention awareness to at least 200 businesses biannually.	Exceeded goal **12/31/2020** *H2O Line* City inspectors regularly distributed the H2O Line during industrial inspections. In addition, each H2O Line was sent to 405 industrial contacts via email. The Environmental Quality Division created and distributed two (2) H2O Line newsletters during this reporting period.
1.15 Educational Material for Construction Site Personnel	Provide educational materials on BMPs and erosion control for construction site personnel.	1. Distribute 200 construction BMPs and erosion control brochures at the Development Center and/or provide a link to the educational material on the City's website.	Met goal **1/1/2020** *Construction Educational Material* "Steps to Obtain Construction Permits for Storm Water Discharges" information was posted on the City's Environmental Services (www.gptx.org/EnvironmentalServices) and Engineering (http://www.gptx.org/index.aspx?page=1296) websites.

			"Preventing Stormwater Pollution at Construction Sites" brochures were available at the Development Center, on the Environmental Quality Division's Stormwater website (www.gptx.org/EnvironmentalQuality/Stormwater), and on Engineering's Construction General Permit & BMP FAQ website (http://www.gptx.org/index.aspx?page=1296).
1.16 Public Notice in Development of SWMP	Comply with federal, state, and local public notice requirements when implementing the SWMP.	1. Continue to make the document available for comments on the City website, at the Environmental Services Department office, and at the Grand Prairie Memorial Library Repository. 2. Publish notice of the executive director's preliminary decision on the NOI and SWMP and adhere to 30 day public comment period.	Met goals **1/1/2019** *SWMP Available for Review and Comment* A copy of the City's Storm Water Management Program is available for review and comments at the Environmental Quality Division's office, the City's Storm Water Management Program website (www.gptx.org/EnvironmentalQuality/SWMP), and at the Grand Prairie Memorial Library. **7/10/2019** NOI and SWMP was submitted to the TCEQ. **1/25/2021** NOI and SWMP accepted by the TCEQ. The City is now waiting for the written instruction from the TCEQ to publish the public notice.
1.17 Texas Stream Team Volunteer Stream Monitoring Program	Involve volunteers in the stream monitoring process through Texas Stream Team.	1. Respond to 100% Texas Stream Team training request and hold training sessions for volunteers or corporations.	Met goal **10/8/2020** *Texas Stream Team Training* City has three (3) existing monitors and one new monitor was trained in 2019. One request was received and responded for Texas Stream Team Training in 2020. 3 individuals were trained and certified as Citizen Scientist and 2 individuals were certified as Texas Stream Team Trainers during this permit period.
1.18 Master	Involve the public in lawn	1. Conduct at least 1	Did not meet goal

Composter Program	and garden compost waste training that will encourage reductions in fertilizer and pesticide use. Participants receive hands-on training and can become a Certified Master Composter.	Master Composter class per year. 2. Distribute yard care educational materials to all class participants.	*Master Composter Program* The course comprises of 20 hours of classroom times including a 4-hour field trip and 20 hours of volunteer time. Due to COVID-19 outbreak, for the safety of the participants master composter classes were cancelled in 2020.
1.19 Illegal Dumping Hotline ***(TMDL)***	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10)	1. Publish one Illegal Dumping Hotline available on the City's Code Enforcement website.	Met goals **1/1/2019** *Illegal Dumping Hotline on City's Website* Information for the City's Illegal Dumping Hotline is posted on the City's Stormwater webpage at www.gptx.org/EnvironmentalQuality/Stormwater and the Code Enforcement's website at www.gptx.org/index.aspx?page=219.
1.20 Stakeholder Meetings and Task Force Groups	Keep citizens and other stakeholders involved in the decision process for managing the Stormwater Management Program and share information to help develop stormwater programs by participating in stormwater related committees or task force groups through NCTCOG.	1. Hold, or participate in through NCTCOG, one stakeholder meeting per year. 2. Sit on at least one stormwater committee or task force group annually	Exceeded goal **12/31/2020** *Stakeholder Meetings* Environmental Quality and Code Enforcement Divisions held five Auto Related Business Compliance Meetings on February 4, February 27, March 18, March 25 and September 10 with attendance record of sixty nine (69), twenty four (24), eleven (11), zero (0) and eleven (11) respectively. Staff from the Environmental Quality Division attended the Watershed Protection Plan – Joe Pool Lake Information Session at TRA, Greater Trinity River Bacteria TMDL I-Plan Coordination Committee meeting, Regional Stormwater Management Coordinating Council meetings, and Public Education, Pollution Prevention, and IDDE task force meetings held through NCTCOG.
1.21 Neighborhood Outreach Program	Program encourages the involvement of neighborhood associations	1. Annually coordinate a neighborhood project,	Exceeded goal **12/31/2020**

	for the purpose of educating them about stormwater related issues.	such as stream/wetland cleanups, tree planting projects or awareness events.	*Neighborhood Outreach Adopt-a-Stream Events* The City held two hundred and twenty five (225) neighborhood outreach events in 2020, during which 18,720 pounds of litter were collected.
1.22 School Outreach Programs	Partnership between the City's Keep Grand Prairie Beautiful Program and a local school district that encourages student and campus participation.	1. Annually facilitate at least 1 activity for the campus programs.	Exceeded goal **12/31/2020** *School Outreach* The City held six school outreach events in 2020.
1.23 Annual Environmental Compliance Achievement Awards	Encourage industrial facilities to obtain industrial permit as required by the SIC code.	1. Annually recognize facilities who achieve 100% compliance.	Met goal **10/6/2020** *Annual Compliance Awards* The City annually recognizes Grand Prairie industries achieving 100% compliance. The City held one Annual Compliance award meeting during Year 2 and presented awards to 19 industries.
2.2 Priority Areas *(TMDL)*	Update priority areas within the city likely to have an illicit discharge.	1. Document the process for selection of priority areas once during the permit term. 2. Update the priority areas map.	Met goal **1/1/2019** The City documented with process for selection of priority areas and the map of the priority area. **8/3/2020** Updated the priority areas map.
2.3 Dry Weather Field Screening *(TMDL)*	Develop and implement a program to detect and address non-stormwater discharges, including illegal dumping, into the storm sewer system.	1. Revise dry weather field screening program 2. Conduct dry weather screening of 1/3 of priority areas as identified in BMP 2.2.	Met goals **12/31/2020** *Dry Weather Field Screening* City Revised the dry weather screening program. The City has 404 outfalls that are within the priority area and meet the criteria for a dry weather screening inspection. The City is to inspect 1/3 of the priority area during the permit term (Year 1- 5). In 2019 and 2020, 71 and 104 outfalls were screened for illicit discharges, respectively.

2.4 Complaint Response and Database *(TMDL)*	Investigate all citizen complaints and maintain a database of all citizen complaints regarding illicit discharges.	1. Document 100% of citizen complaints using the complaint database.	Met goal **12/31/2020** *The Digital Health Department Database* The Environmental Quality Division uses the *Digital Health Department*, a Web based database, to track 100% of 360 citizen complaints regarding stormwater in 2020.
		2. Maintain a response of 80% within 5 days.	Exceeded goal **12/31/2020** *Investigate Complaints* The Environmental Quality Division investigated 98.88% (356) citizen complaints regarding stormwater within five (5) working days. Eight (8) spills and 6 SSOs were investigated and resolved during this reporting period.
2.5 Illicit Discharge and Spill Procedures *(TMDL)*	Develop and maintain procedures for responding to illicit discharges and spills.	1. Respond to 100% of spill complaints following standard operating procedures for spills.	Met goals **12/31/2020** *Spill Response SOPs* The City has standard operating procedures for the following types of spills: diesel or oil, hazardous materials for transportation incidents, hazardous materials for general materials incidents, hazardous materials for small spills, spill reporting guidelines, gas padsite fracturing fluids, and passenger vehicle fires and fluid spills. 100% of the spill complaints are responded following the standard operating procedures. **12/31/2020** The City has a standard operating procedure for responding to illicit discharges. 100% of the 360 stormwater related complaints were responded in 2020.
		2. Respond to 100% of the illicit discharge complaints.	
2.6 Source Investigation and Elimination	Identify and locate the source of illicit discharges and/or spills. Require	1. Conduct source investigations of 100% of illicit discharges to	Met goals **12/31/2020**

(TMDL)	responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spill.	identify and locate illicit discharges as soon as practicable and document all observations, field and lab measurements, and follow up investigation reports. 2. Report to the TCEQ 100% of all illicit discharges/spills believed to be an immediate threat to human health or the environment. 3. Notify 100% of the responsible party and require the responsible party to take all corrective actions necessary. 4. Notify 100% of adjacent permitted MS4 operator or the TCEQ if an illicit discharge/spill extends outside of Grand Prairie's boundary. 5. Perform dry weather field screening during 100% of illicit discharge follow-up investigation to ensure discharge has been eliminated.	*Illicit Discharge/Spill Response* The City investigates all illicit discharges and spills that are identified through stream monitoring, complaints, dry weather field screening, or by any other means, as soon as practicable. The source of the illicit discharge or spill is determined through investigation procedures such as screening for the pollutant upstream or up the storm drain line, taking field and /or lab samples to narrow the source possibilities, researching facilities upstream/up the storm drain line to determine their possible role in the discharge/spill, searching the area on foot or in a vehicle to spot the source, and/or any other method necessary. Once the source is identified, and if it is determined there is a responsible party, Environmental Specialists enforce the City ordinances restricting improper discharges of pollutants. The City ensures that illicit discharges/spills are properly remedied, either by the responsible party or, if no party can be identified, through the use of a City contractor. The City reports all discharges/spills to the TCEQ if the discharge/spill is believed to be an immediate threat to human health or the environment. In 2020, the City reported 100% of the 15 SSOs to the TCEQ. If the discharge/spill reaches or is expected to reach a neighboring MS4, the City notifies the operator of that MS4. In 2020, one discharge was identified to be releasing from the nearing MS4 (City of Arlington) and they were notified. Dry weather field screening is performed during follow-up of the of all the illicit discharge investigations.
2.7 Spill Response	Coordinate with the Fire	1. Respond to 100% of	Exceeded goals

(TMDL)	Department on emergency spill response, using a private contractor for clean-up and remediation.	the emergency spill call. Conduct six (6) emergency responder meetings in a year for continued training.	**12/31/2020** *Spill Response and Training* Environmental Specialists from the Environmental Quality Division respond to spills, sanitary sewer overflows, and other environmental hazards 24 hours a day, 365 days a year. Specialists are continuously educated through emergency responders meetings and through peer to peer training. In 2020, eight (8) emergency responder meetings were conducted. Eight (8) spills and 6 SSOs were investigated and resolved during this reporting period.
2.8 Structural Control for floatables	Reduce discharge of floatables (example litter or other human generated solid refuse) in the MS4.	1. Identify two locations in MS4 to install structural control 2. Identify 2 appropriate structural control to reduce discharge of floatables in the previously identified locations. 3. Install the two selected structural controls 4. Collected floatable materials from the structural control twice a year. 5. Record 100%	Exceeded goal **12/21/2020** *Location to install structural control* Three locations were identified in MS4 to install structural control. The rest of the goals of this BMP are scheduled for Year 3, 4 and 5.

		of the amount of material collected either by weight, volume or other practical means.	
2.9 Building Project Review Process *(TMDL)*	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.	1. Review at least 80% of new commercial construction plans for water quality hazards. 2. Inspect at least 80% of Certificates of Occupancy that have a potential to impact stormwater.	Exceeded goals **12/31/2020** *Certificate of Occupancy Inspections and Building* The Environmental Quality Division received 798 Certificate of Occupancy applications and 447 Building Projects during this reporting period. 100% of the COs and Building Projects with the potential to impact stormwater were inspected and/or reviewed for water quality hazards.
2.10 Illegal Dumping Hotline and Clean-up *(TMDL)*	Encourage citizens to report illicit discharges or violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 1.26)	1. Publish one Illegal Dumping Hotline available on the City's Code Enforcement and Environmental Services website.	Exceeded goals **1/1/2020** *Illegal Dumping Hotline on City's Website* The illegal dumping hotline is included on the City's Stormwater webpage at www.gptx.org/EnvironmentalQuality/Stormwater and on the Code Enforcement's website at www.gptx.org/index.aspx?page=219. **12/31/20** *Article on Reporting Illicit Discharges* Eight (8) Pipeline articles contained information on household hazardous waste issues and events, one (1) contained information about keeping leaves from streets and alleys , one (1) contained information about storm inlets and pollution prevention, one (1) contained

			information on how to properly handle grass clippings, one (1) sought volunteers for a City hosted stream clean-up, one (1) contained information on how to report pollution, and one (1) article included information on the master composter classes offered by the City. The City responded to 73 illegal dumping complaints during this reporting period. 98.63% (72) of these complaints were resolved within 30 days of the day the violation was reported.
		2. Annually publish at least one article with information on illicit discharges and contacts for reporting illicit discharges in the City's Newsletter "Pipeline". Pipeline is mailed to the citizens with the water bill.	
		3. Remove 80% of illegally dumped debris at least 30 days from the day the violation was reported	
2.11 Stream Sampling *(TMDL)*	Assess water quality of streams through monthly stream monitoring of 10 sites within or near the city limits. Investigate atypical results for an illicit discharge.	1. Monitor and investigate 10 streams for atypical stream results on a monthly basis.	Exceeded goal ***12/31/2020*** *Stream Sampling* The Environmental Quality Division has voluntarily conducted stream sampling since 1986. Currently, 23 stream sites are sampled on a monthly, quarterly, and annual basis. The data collected during these monitoring events are used to detect and eliminate illicit discharges or other threats to human and environmental health. Atypical results are identified and researched. All possible attempts are made to mitigate any atypical results. In addition, stream monitoring data are provided to the Clean Rivers Program for water quality monitoring, assessment, and public outreach.

			This BMP is highly effective at reducing pollutants to the MEP. Over the many years of implementing this program, numerous atypical results have led to the mitigation of illicit discharges, SSOs, or spills. See Appendix A for a discussion and summary of the results.
2.12 Sanitary Sewer Overflow Response Plan ***(TMDL)***	Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.	1. Water Utilities and Environmental Services to respond to 80% of the reported SSOs.	Met goal **01/01/2020** *Standard Operating Procedure* The City's Water Utility and Environmental Quality Divisions respond to all sanitary sewer overflows by following a Standard Operating Procedure (SOP). This SOP was updated on 3/28/2017 and remains current. Water Utility's responsibilities include, but are not limited to, cleaning, containing, and recovering sewage, and clearing, repairing, and/or replacing pipeline failures. Environmental Quality Division's responsibilities include, but are not limited to, noting visual observations and sampling for ammonia nitrogen in receiving waterbodies (if applicable). Water Utility and Environmental Quality work together to determine the cause of the overflow and the appropriate clean up response. In 2020, City responded to all of fifteen (15) reported SSOs.
2.13 Illicit Discharge Awareness Campaign for Businesses and General Public ***(TMDL)***	Inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	1. Educate the general public and 25% of potential polluting businesses annually through the use of brochures, videos, or other methods.	Exceeded goal **12/31/2020** *Educational Brochures, and Newsletters* Three public events were held where general public was distributed with brochures. 31 industries in the City possess waste water discharge permit and approximately 594 Auto Related Businesses exist within the City limits. Newsletters with stormwater related messages were emailed to 443 industry representatives and to approximately 752 Auto Related businesses representatives. Stormwater educational materials addressing illicit discharges were distributed throughout

			this reporting period. This includes, but is not limited to, the following: An Industry's Guide for Protecting Grand Prairie's Watershed, Fat Free Sewers, Environmental Guide for Auto Repair and Body Shops, Preventing Stormwater Pollution at Construction Sites, Clean It Right, the AutoWatch newsletter, the Auto Related Business Ordinance, and the H2O Line. **12/31/2020** *Stormwater Posts on Facebook* Eighteen (18) posts with a stormwater quality message were placed on Facebook. Messages discussed how to keep grease from entering the drain, reduce plastic pollution, stop littering, watershed protection, and pet waste. (See also BMP 1.8.) **12/31/2020** *Stormwater PSAs on GPTV* The City airs the following stormwater pollution prevention PSA videos on GPTV once a day, seven days a week: Doo the Right Thing, Auto Fluids, Detergents, Yard Waste, Paints, and Fertilizers. A Stormwater to Drinking Water PSA airs four times a day, 7 days a week. (See also BMP 1.8) **01/01/2020** *Stormwater Information on Website* The Environmental Quality Division maintains stormwater educational material for the Environmental Quality website. This information is updated as needed and includes pages for the following topics: Stormwater, What are Watersheds?, Pet Waste, Cooking Oils, Lawn Chemicals, Volunteering, Stream Monitoring, Kids Activities, Storm Water Management Program, and Texas Stream Team. The address to this website is: www.gptx.org/EnvironmentalQuality/Stormwater. (See also BMP 1.8)
2.14 Educating and	Ensure City staff that may	1. Disseminate IDDE	Met goals

Training City Field Staff ***(TMDL)***	come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training (see also BMP 5.7).	training video to 80% of the new field staff and keep materials and attendance lists at the Environmental Quality Division office. 2. Annually provide 250 vehicle decals with contact information in the event staff observes an illicit discharge 3. Purchase and distribute IDDE posters for display in applicable facility buildings.	**12/31/2020** *Disseminating IDDE Video* 294 employees watched "Preventing Storm Water Pollution: What We Can Do". 250 vehicle decals with contact information in the event staff observes an illicit discharge were distributed. **12/31/2020** *Miscellaneous Training* Two employees attended Basic Dry Weather Field Screening workshop. **12/31/2019** Purchase and distribute IDDE poster. 8 IDDE Posters were distributed to following City Facilities: - Fleet Services Streets Landfill Airport Parks and Recreation Engineering Water Utilities Field Office
2.16 Litter Collection Program ***(TMDL)***	Keeping the major thoroughfares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	1. Remove litter from major thoroughfares weekly.	Met goal **12/31/2020** *Litter Collection* The litter crew picks litter form the City right-of-way five days a week. They also change out the median trash receptacles that have been set out at some major intersections. In 2020, they collected 79.68 tons of litter. (See also BMP 5.6.)

2.17 Beach Sampling Program ***(TMDL)***	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water.	1. Follow an SOP for beach sampling once a month during the summer or swimming months.	Met goal **09/30/2020** *Beach Sampling SOP and results* The beach sampling standard operation procedure is followed during sampling events. This BMP is effective at reducing pollutants to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels. Sampling for E. coli was conducted during the summer months from May to September. The designated swimming areas in Lynn Creek and Loyd Parks met the *primary contact recreation 1* criteria (where the recommended limits for the geometric mean is 126 MPN /100 mL and the single sample criterion for E. coli is 399 MPN/100 mL) in accordance with the 2014 Texas Surface Water Quality Standards §307.7(b)(1)(A)(i). See Appendix B for the results of the beach sampling in 2020.
2.18 On Site Sewage System Permitting ***(TMDL)***	Onsite sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and abated.	1. Keep record of 100% of the permitted sewage systems. 2. Respond to onsite sewage systems within 10 days of receiving complaint and enforce as necessary.	Met goal **12/31/2020** *OSSF complaint and Permit* No complaints were received and three new OSSF permits were issued during this reporting period.
2.19 Auto Inspection Program ***(TMDL)***	Inspect auto-related businesses for water quality issues on an annual basis.	1. Inspect at least 80% of auto-related businesses annually.	Exceeded goal **12/31/2020** *ARB Inspections* The Environmental Quality Division inspected 98.88% of

			the auto-related businesses in Grand Prairie in during this reporting period. Inspectors ensured ARBs were in compliance with local, state, and federal stormwater regulations.
2.20 Grease Trap Pumping ***(TMDL)***	In order to reduce the number of illicit discharges, ensure grease traps are being pumped as required.	1. Inspect at least 80% of the food service businesses to ensure frequency of pumping requirements are met.	Exceeded goal **12/31/2020** *Grease Trap Compliance Report* During 2020, over 90% of food services were inspected. In 2020, Grand Prairie received 3,475 trip tickets for grease or sand traps pump outs. There were 3,517 events due during this period. This is a compliance rate of 98.8%. Forty Two (42) charges were issued to health permit holders for not pumping grease traps
2.21 Horse Stables ***(TMDL)***	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.	1. Perform annual inspections of 90% of the private horse stables and ensure good housekeeping practices are implemented 2. Prepare and distribute horse manure management guidelines for horse stables during inspections.	Met goal **12/31/2020** *Horse Stable Inspections* 100% of the seventeen (17) horse stables were inspected (using a previously created form) for possible sources of pollutants including manure, chemicals, debris, trash, muds, etc. Flyer with guidelines to manage horse manure were distributed during the inspections.
2.22 Joe Pool Lake (JPL) Watershed Protection Plan ***(TMDL***	Collaborate with Trinity River Authority to establish an analytical framework for managing water quality and produce plans of action to address water quality issues within Joe Pool Lake Watershed.	1.Attend 90% of scheduled JPL watershed protection plan meetings to develop monitoring strategy, selection of appropriate and applicable methods for quantification of load reduction targets.	Exceeded goals **12/31/2020** *JPL Watershed Protection Plan Meetings* Four (4) JPL watershed protection plan meetings were held in January, February, August, and November of 2020. The City staff attended 100% of these meetings.

		2. Apply at least one best management practice (BMP) identified in the Protection Plan throughout the watershed to reach these load reduction targets.	
2.23 Sanitary Sewer Systems (TMDL)	Ensure sanitary sewers are functioning properly in order to reduce overflows.	1. Make 80% of the necessary improvements to sanitary sewers and lift stations. 2. Ensure 100% of overflows reported in compliance with state requirements.	Exceeded goals **12/31/2020** *Sanitary Sewer and Lift Station Improvements and Overflow Reporting* 100% of the 1666 service requests received were completed in 2020. All of the fifteen (15) Sanitary Sewer overflows were reported as required by the State
3.1 Construction Plan Review	Conduct plan reviews for construction projects to evaluate temporary erosion and sediment control measures and BMPs in accordance with the TPDES Construction General Permit, local ordinances regulating stormwater discharges from construction activities, and all other applicable state and federal stormwater quality regulations.	1. Review 100% of plan submittals for sites with an area of one acre or more or part of a larger common plan of development of one acre or more prior to start of construction. 2. Maintain one copy of final plan review documentation for 100% of plan	Met goals **12/31/2020** *Require Erosion & Sediment Control Submittals* Engineering requires all submittal plans to include erosion control plans during the review process. With the erosion control plans submitted Engineering can effectively comment and make any necessary changes to meet potential concerns. During this reporting period there were 100% of 70 submitted plan reviews.

	Maintain written procedures for City review of construction plans, including provisions for training new plan review staff.	submittals 1.Operate under existing procedures until approval of SWMP by TCEQ. 2.Conduct one review, and update if necessary, of the existing procedures for City review of the erosion control plan for potential impacts to stormwater quality by December. 3. Record date of review and 100% of changes to procedures in one memo to file by December.	
3.2 Construction Site Inspection and Enforcement	Maintain written procedures for City-led inspections of large and small construction projects, including provisions for training new construction inspectors.	1. Operate under existing procedures until approval of SWMP by TCEQ. 2. Conduct one review, and update if necessary, of existing procedures for City - led inspections of large and small construction projects by December. 3. Record the date of review and 100% of changes to procedures in one memo file by December.	Met goals **12/31/2020** *Inspection and Enforcement* During this reporting period construction site inspections consisted of 876 on-site inspections. 55 action items required to be addressed, and 4 Notice of violations were issued and all were brought into compliance in the specified time frame.

	Conduct inspections of small and large construction sites within the MS4 according to City procedures and ordinances.	1. Conduct at least one site inspection per month of 100% of construction sites with approved Stormwater Pollution Prevention Plan (sites with an area of 1 acre or more or part of a larger common plan of development of one acre or more) during active construction. 2. Maintain one copy of each completed construction site inspection report.	
	Enforce correction for violations of (City "erosion control" ordinance provisions/TPDES Construction General	1. Conduct follow-up action (i.e. inspection or enforcement) for 100% of sites with	

	Permit TXR150000).	observed violations within 10 business days.	
3.3 Construction Ordinance	Review and update municipal ordinances to ensure compliance with MS4 permit requirements for construction site stormwater runoff control.	1.Operate under existing ordinances until approval of SWMP by TCEQ. 2. Record date of review of ordinance and 100% of the necessary changes in one memo to file by December.	Met Goal **12/31/2020** *Ordinance and UDC Review* In Year 1, the City reviewed the stormwater ordinance and Unified Development Code (UDC) to ensure sediment and erosion control requirements addressed permit requirements. The Stormwater Ordinance for construction sites was reviewed for changes necessary to comply with the new permitting term. The new changes will be submitted to Council for review.
3.4 Construction Site Stormwater Reporting by Public	Facilitate stormwater quality reporting by the public related to discharges from construction site activity.	1.Maintain at least 1 mechanism for the public to submit stormwater quality complaints regarding stormwater discharges from active construction sites. 2.Ensure the stormwater reporting mechanism is publicly accessible at least 95% of the time. 3.Respond to 90% of stormwater quality reports relating to discharges from construction activity within 2 business days; if the confirmed report concerns an immediate threat to human health or the environment,	Met goal **12/31/2020** *Public Input Response* City investigator ensures problem areas are brought back into compliance, thus reducing pollution runoff. City staff conducted 100% of the five (5) registered stormwater construction site inquires in this reporting period.

	Maintain written procedures for facilitating stormwater quality reporting by the public and responding to reports of construction site stormwater quality concerns.	respond within 24 hours. 1.Operate under existing procedures until approval of SWMP by TCEQ. 2. Conduct one review, and update if necessary, of the existing procedures for facilitating stormwater quality reporting by the public and responding to reports of construction site stormwater quality concerns by December. 3. Record date of review and 100% of changes to procedures in one memo to file by December.	
3.5 Construction Site Inventory	Maintain one inventory of all TPDES/NPDES permitted active public and private construction sites that result in a total land disturbance of one or more acres or a total land disturbance of less than an acre if part of a larger common plan or development or sale.	1.Add construction sites to inventory within 10 business days of acceptance of SWP3. 2.Remove from inventory within 10 days of final acceptance. 3.Maintain one copy of each Notice of Intent (NOI)/ Construction	Met goals **12/31/2020** *Construction Site Inventory* In accordance with the City of Grand Prairie Unified Development Code 14, the Owner/Operator of a construction site must provide the City a copy of the SWP3, NOI and/or Construction Site Notice. Construction site inventory is developed and maintained. During this reporting period, a total of thirty nine (39) construction site activities were inventoried and documented. Thirty three (33) of these were non-

		Site Notice for construction activity received by the City.	municipal sites.
	Maintain written procedures for maintenance of a construction site inventory.	1.Operate under existing procedures until approval of SWMP by TCEQ. 2. Conduct one review and update if necessary, of the existing procedures for maintenance of a construction site inventory by December.	
4.1 Post-Construction Plan Review	Review site plans for post-construction water quality considerations, including considerations for detention and retention facilities. Continue to enforce requirements for maintenance agreements for privately-owned structural	1. Review 100% of plan submittals for sites with an area of one acre or more or part of a larger common plan of development of one acre or more prior to start of construction. 2.Maintain one copy of final plan review checklist for 100% of plan submittals. 1. Review maintenance agreements for 100% of sites with	Met goal **12/31/2020** *Review New Site Development and Redevelopment Plans* The City requires designers of new site development and redevelopments to include water quality considerations and proposed approved BMPs. During this reporting period, the Engineering Division reviewed 13 new and re-development plan submittals. Copy of the final plan review checklist is maintained for 100% of the plan submittals. 100% of the maintenance agreement for the private ponds were maintained.

	controls to be filed in the real property records of the county. Maintain written procedures for City review of site plans for post-construction water quality considerations and enforcement of maintenance agreements for privately-owned structural controls.	private structural controls. 2. Record 100% of maintenance agreements prior to final acceptance. 1.Operate under existing procedures until approval of SWMP by TCEQ. 2. Conduct one review, and update if necessary, of the existing procedures for post construction plan review and enforcement of maintenance agreements by December. 3. Record date of review and 100% of changes to procedures in one memo to file by December.	
4.2 Post-Construction Stormwater Ordinance	Review and update municipal ordinances to ensure compliance with MS4 permit requirements for post-construction stormwater management in development and new development.	1. Operate under Articles 12 and 14 of the Unified Development Code until approval of SWMP by TCEQ. 2. Conduct one	Met Goal **06/2020** During this reporting period UDC Article 12 and UDC Article 14 were review in June of 2020. There were no new changes to be incorporated into these Articles.

		review of Articles 12 and 14 of the Unified Development Code and record date of review and 100% of necessary changes in one memo to file by December.	
4.3 Detention Pond Maintenance, Inspection, and Enforcement	Continue maintenance of City-owned detention ponds and continue oversight of maintenance for privately-owned detention ponds according to written procedures.	1 Inspect 20% of City-owned detention ponds by December of each year. 2.For privately-owned detention ponds, require inspection reports from the owner once annually. 3.Document enforcement actions for post-construction requirements by December of each year.	Met goal **12/31/2020** *Post-Construction Control Measures* Following guidelines set in the previous reporting period City staff inspected 85.71% (18 out of the 21) of City owned and maintained detention ponds inspections during this reporting year. 8 of those needed minor maintenance work. Additionally, forty-eight (48) privately owned ponds have been recorded and designated for yearly inspections (O&M agreements). Of the 48 ponds, 14 submitted their yearly inspections. Letters will be sent to others to comply with their agreement. In accordance with Year 2 requirements Private Detention/Retention Pond Maintenance guidelines were reviewed in June of 2020, and there were no new changes to be recorded. Implementation of this will be captured in Year 3 reporting.
	Maintain written procedures for detention pond maintenance, including maintenance of City-owned detention ponds and oversight of maintenance for privately-owned detention ponds.	1.Operate under existing procedures until approval of SWMP by TCEQ. 2.Review, and update if necessary existing procedures for detention pond maintenance by December.	

		3. Record changes to procedures in one memo to file by December.	
5.1 Storm Sewer System Operation and Maintenance for the City of Grand Prairie (TMDL)	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	1. Use computer maintenance and management system to track 90% of maintenance and complaint responses. 2. Respond to 80% of citizen complaints and input information into City Works Management System. 3. Track 90% of the storm sewer and drainage maintenance through City Works Management System. 2. Ensure compliance with 30 TAC Chapters 330 and 335.	Exceeded goals **12/31/2020** *Complaint and Maintenance Response and Tracking* The City used the City Works Management System to track complaints and maintenance activities. During this reporting period, the City responded to 100% of 211 complaints and/or maintenance needs .
5.3 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.1) ***(TMDL)***	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	1. Respond to 100% written complaints within the District. 2. Annually perform 100% of the maintenance reviews and prepare report 3. Conduct annual inspection of the district to note needed	Met goals **2/16/2021** *Complaints, Reviews, and Repairs* No written complaints were filed in year 2. The annual maintenance review was conducted in November 2020, the draft report was prepared in February 2021, and the final will be submitted in March 2021. See the report for the district's plan for each area. There are no known necessary repairs to District facilities in Grand Prairie at this time.

		repairs, deterioration from past years, and make list of priorities. For each area noted state in the annual report what the district's plan is on the repair or monitoring of that area.	
5.4 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.2) ***(TMDL)***	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	1. Annually review the SOP or waste disposal	Met goal **2/16/2021** *DCFCD SOP for Waste Disposal* The DCFCD #1 developed a standard operating procedure (SOP) for waste removed from the storm water system in 2009 as a measurable goal for the 2008 TPDES General Permit TXR040000. The 2009 SOP remains current. It includes an introduction, purpose, district general response capabilities, and procedures for clearing and collecting debris from the MS4.
5.5 List Potential Problem Areas for Inspection ***(TMDL)***	Develop a list of potential problem areas, then identify and prioritize areas for increased inspection (i.e. illegal dumping).	1. Update 100% of the list of potential problem areas with illegal dumping. 2. Identify and prioritize 100% of the problem areas for at least monthly inspection.	Met goal **12/31/2020** Five (5) major problem areas were identified in Year 2. Monthly inspection were made.
5.6 Street Operation	Remove solid pollutants	1. Annually sweep	Met goal

and Maintenance *(TMDL)*	from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.	80% of the business district, thoroughfares and more often on high traffic roads. 2. In addition to sweeping program,for 80% of the major roads, the City will implement other trash and litter control procedures or provide inlet protection measures 3. The City will require that 100% of non-prohibited materials be disposed of at a Type I landfill	**12/31/2020** *Street Sweeping* Mr. Dirt Sweeping Services is the city's contractor to sweep the business district, major thoroughfares and some public parking lots on an annual basis. In 2020, they collected 135.93 tons of debris from our city streets. **12/31/2020** *Additional Trash and Litter Control Measures* The litter crew is a five-person team that picks litter form the City right-of-way five days a week. They also change out the median trash receptacles that have been set out at some major intersections. In 2020, they collected 79.68 tons of litter. (See also BMP 2.16) **1/1/2020** *Type I Landfill* The code of ordinances, Article VI- Garbage Collection and Disposal, Sec. 26-101(a) states that: "All municipal solid waste generated within the City of Grand Prairie not prohibited by law for disposal in Grand Prairies Type I landfill shall be transported to the landfill for proper disposal." All materials collected within city limits are disposed of at the Grand Prairie Municipal Landfill.
5.7 Educating and Training City Field Staff *(TMDL)*	Inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices (see also BMP 2.14).	1. Disseminate stormwater training video to 90% of the new field staff and keep materials and attendance lists at the Environmental Quality Division office 2. Provide 250 vehicle decals annually with contact information in the event staff	Met goals **12/31/2020** *Disseminating IDDE Video* 294 employees watched "Preventing Storm Water Pollution: What We Can Do". **12/31/2020** 250 vehicle decals with contact information in the event staff observes an illicit discharge were distributed. 8 IDDE Posters were distributed to following City

		observes an illicit discharge. 3. Purchase and distribute IDDE posters to 100% of applicable facility buildings for display.	Facilities: in 2019 - Fleet Services Streets Landfill Airport Parks and Recreation Engineering Water Utilities Field Office **12/31/2020** *Miscellaneous Training* Two employees attended Basic Dry Weather Field Screening workshop in 2020.
5.8 Stormwater Management Program Data Tracking	Review and track all City activities related to the Stormwater Management Program.	1. Identify the newly listed impaired segments in annual report and SWMP within 2 years of approval date. 2. Create annual report	Met goal In 2019, City reported North Fork Fish Creek Segment Id 0841Q was identified as impaired segment 2018 Texas Integrated Report - Texas 303(d) List. TMDL has been approved by EPA. No new segments are listed as impaired. All of activities required for 74 BMPs designated for Year 2 were completed.
5.9 Contractor Compliance	Ensure contractors performing maintenance on City facilities meet program requirements and are provided oversight.	1. Contractually require 100% of the contractors to comply with stormwater controls, good housekeeping practices, and facility specific stormwater management procedures 2. Inspect 10% of the contractors annually to ensure contractors are using appropriate	Met goals **12/31/2020** *Contractor Compliance* In 2016, language was developed to include in contracts for contractors hired by the City whose work has the potential to discharge pollutants into the MS4. In 2018, contractors were required to comply with the contracts with this new language and SOPs were also developed for Fertilizer and Pesticide Application, Road and Bridge Maintenance and Repair. In 2020, a list of all active city contractors was compiled and out of the 46 active city contractors, 7 contractors were inspected randomly to ensure appropriate control measures were implemented.

		control measures and SOPs	
5.10 Pollution Prevention for City Operation and Maintenance (O&M) Activities	Develop pollution prevention measures for City O&M activities. Perform inspections to ensure measures are working properly.	1. Update 100% list of City O&M activities that have the potential to discharge pollutants into the MS4 2. Inspect pollution prevention measures at 100% of the facilities identified with O&M activities once during the permit term and keep a log of inspections. 3.Identify and list 80 % of the possible pollutants of concern from aforementioned O&M activities by the end of the permit term 4.Develop and implement pollution prevention measures for 100% of the O&M activities by the end of the permit term.	Met goals **12/31/2020** *P2 Measures* The City maintained the list of O&M activities that have the potential to discharge pollutants into the MS4. 12 (twelve) high priority city facilities and 6 (six) other city facilities were inspected in 2020. Pollutant of concerns were identified and listed for all the facilities that were inspected in 2020. Proper pollution prevention measures or corrective measures were implemented at all the facilities inspected in 2020.
5.11 Structural Control Maintenance	Ensure proper maintenance of structural controls on City owned facilities.	1. Annually inspect structural controls and maintain as needed to ensure effectiveness	Met goal **12/31/2020** *Annual inspections* In 2020, retention/detention ponds were inspected at eighteen (18) City owned facilities. 8 of the ponds needed

			maintenance. In addition, other structural controls, such as vegetative swales and rip-rap, were inspected during City facility inspections.
5.12 Mapping Facilities	Identify the locations of City owned and operated facilities and stormwater controls.	1. Update locations of City owned and operated facilities and stormwater controls 2.Update stormwater controls at 100% of the aforementioned facilities by the end of the permit term. 3.Map 100% of the locations in GIS.	Met goals **12/31/2020** Mapping Facilities List of City owned and operated facilities and stormwater controls was updated in 2020. This BMP helps keep track of the existing stormwater controls and identify new locations to install the controls which reduces discharge of pollutants in to the stormwater. Of 134 city facilities identified, storm water controls at the 18 city facilities were noted. 100% of 134 City facilities are mapped in the City's intranet GIS

5.13 Mosquito Management Program	Maintain mosquito management methods that will not result in illicit discharges to the MS4.	1.Follow integrated mosquito management methods 100% of the time when handling and applying pesticides. 2. Use low toxicity bio-controls for larvae control 100 % of the time.	Met goals **12/31/2020** *Bio-Controls* The City used Altosid, Gambusia affinis fish, and BTi Briquettes for managing the mosquito population during this reporting period. Altosid XR ((S)-Methoprene), EPA registration No. 2724-375, is a larviciding agent that interferes with the ability of mosquito larvae to become adults, but does not kill them. Altosid has a toxicity category of "Caution". Gambusia affinis fish were used in bodies of water with mosquito breeding problems. This biological control provides an abatement program directed primarily toward the prevention, elimination, or control of mosquitoes capable of disease transmission. BTi Briquettes (mosquito dunks) were also used.BTi Briquettes are biological larvicides containing Bacillus thuringiensis israelensis, which kills only mosquito larvae (EPA registration No. 6218-47) and has a toxicity category of "Caution". **12/31/2020** *Integrated Mosquito Management* The Environmental Quality Division's mosquito control plan is based on comprehensive Integrated Pest Management which includes, but is not limited to, mosquito and disease surveillance, source reduction, complaint investigations, public education, biological control (mosquito fish production), larval and adult mosquito control, and insecticide resistance management. In 2020, adulticide was applied 23 times and 100% of the time integrated mosquito management method was followed.
5.14 Facility Inventory	Develop and maintain a facility and stormwater control inventory for City owned and operated facilities.	1. Conduct one review and updated 100% of the list of City facilities that have the potential to discharge pollutants into the	Met goal **12/31/2020** *Stormwater Controls* A list of City facilities that have the potential to discharge pollutants into the MS4 was maintained. The list includes

		MS4. Record the stormwater controls for each facility by the end of the permit term. 2. Record 100% of applicable permit numbers, registration numbers and authorizations for each facility or control by the end of the permit term.	permit numbers, registration numbers, and authorizations for each. Stormwater Controls at 18 City Facilities was recorded.
5.15 Facility Assessment	Identify high priority facilities and document results.	1. Review 100% of the facilities identified in BMP 5.14 for potential to discharge pollutants into stormwater and identify high priority facilities. 2. Inspect 90% of high priority facilities, including City maintenance yards and fuel storage locations. Use checklist during assessment **3.** Document results 100% of time. Maintain copies of each site evaluation checklists and any identified deficiencies and corrective actions	Met Goals **12/31/2020** List of 12 existing high priority facilities that have potential to discharge pollutants into storm water was reviewed. 100% of these facilities were inspected and the results were documents in 2020

		taken	
5.16 Facility Specific SOPs	Develop facility specific stormwater management SOPs and implement specific stormwater controls to minimize discharge of pollutants into stormwater at high priority facilities identified in BMP 5.15	1. Once during the permit term review and updated SOP for each facility identified in BMP 5.15maintain SOP that will identify BMPs to be installed, implemented, and maintained Include in SOPs (BMP 5.16) stormwater controls for 1) good housekeeping, 2) de-icing and anti-icing material storage, 3) fueling operations and vehicle maintenance, and 4) equipment and vehicle washing	Met goal **02/15/2019** High Priority Facility Specific SOP SOP includes inspection of stormwater controls for good housekeeping, de-icing and anti –icing material storage, fueling operations and vehicle maintenance, and equipment and vehicle washing in all high priority city facilities.
5.17 Inspect City Facilities	Inspect City facilities for Best Management Practices.	1. Once during the permit term review and update the inspection form for City facilities. 2. Inspect City facilities identified in BMP 5.14 once during the permit term. 3. Inspect high priority facilities	Met goal **12/31/2020** High Priority Facility Inspection Form and Inspections A previously created inspection form was used to inspect the City facilities that were identified as high priority. In 2019, inspections were performed at the City of Grand Prairie Airport, golf courses, landfill, Loyd and Lynn Creek parks, and water/wastewater facilities.

		identified in BMP 5.15 annually 4. Once during the permit term review the SOP describing the frequency of city facility inspections and how they will be conducted.	
5.18 Pesticide, Herbicide, and Fertilizer Application and Management	Evaluate landscape and pesticide management for City owned and operated areas and ensures proper management techniques are being implemented in order to decrease pollutants to the MS4.	1. Distribute flyer educating 100% of the pesticide, fertilizer, and herbicide applicators and distributors on proper management techniques and ensure 100% of the required certifications and permits are obtained. 2.Require 100% of the City Contractors to include chemical application schedule in landscape and pesticide contracts to minimize discharges of pollutants due to irrigation or expected precipitation. 3. Properly collect and dispose 100% of unused pesticide,	Met goal **12/31/2020** *Management and Application of Pesticide, Herbicide, and Fertilizer* Pesticide, herbicide, and fertilizers were properly collected and disposed of, preventing their entry into nearby waterbodies. SmartScape gardens were maintained. The City distributed a flyer to applicable City contractors and personnel. The City requires that contractors provide permits and certifications that are necessary to their profession. Pesticide, herbicide, and fertilizer materials and activities were evaluated in 2016. This included implementing a revised standard operating procedure for application. When applicable, chemical application schedules are included in landscape and pesticide contracts to minimize discharges of pollutants due to irrigation or expected precipitation. The schedules followed are outlined in the Texas Department of Agriculture Pesticide Laws and Regulations.

		herbicide, and fertilizer.	
5.19 Evaluation of Water Quality Impacts for City Flood Control Projects	Implement a process to require new City flood control projects to be designed to incorporate water quality protection for receiving water, and to evaluate opportunities to retrofit existing flood control devices for additional pollutant removal.	1. Document one approach of implementation in the 2019 SWMP after approval by TCEQ. 2.Document in one memo to file additional staffing or program needs to meet permit requirements or City goals by December 3. Create one inventory for 100% of existing City-owned flood control devices including evaluation of the existing pollutant removal capacity of the devices by December	Met goals **12/31/2020** During this review period 3 sites (flood Control devices) were considered for water quality impacts for flood control.
6.1 Stormwater Industrial Inspection Program	Require that facilities comply with any NPDES or TPDES stormwater permit applicable under the SIC code.	3.Properly collect and dispose 100% of unused pesticide, herbicide, and fertilizer.	Exceeded goals **12/31/2020** *Applications, Enforcement and Inspections* 100% of industries were provided applications for

		2. Perform inspections of 90% of the industries once every 3 years to ensure compliance with the stormwater permit and to ensure control measures for discharges are met	NPDES or TPDES coverage, when applicable. In 2020, thirty-one industries with wastewater discharge permit were inspected. Out of which seventeen (17) industries had filed for NOI and SWPPP and twelve (12) industries had filed for NEC. Additionally, 126 non-permitted facilities out of 329 were inspected in 2020.
6.2 Existing SWP3s	The City maintains SWP3s for Multi-Sector General Permit sites, as required by the general permit TXR05000.	1. Inspect 100% of the sites annually to ensure compliance with SWP3s permits at the existing regulated facilities	Met goals **12/31/2020** *SWP3 Requirements* All SWP3 requirements were met in Year 2.
		2. Review the SWP3s annually for any changes required	**12/31/2020** *Annual Inspections* Annual comprehensive compliance inspections were conducted for each MSGP City facility. The Landfill was inspected on 11/19/20 and the Airport was inspected on 11/18/20.
		3. Annually conduct SWP3 training at 100% of the sites.	**12/31/2020** *Training for City MSGP Sites* A training video was shown to City staff at the two MSGP facilities. Four (4) Airport personnel watched *Preventing Storm Water Pollution – What We Can Do* on 10/1/2020 and thirty five (35) Landfill personnel watched *SPCC by the Number* that also addresses stormwater pollution prevention on 4/14/2020.

C. Stormwater Data Summary

1. The MS4 has conducted analytical monitoring of stormwater quality.

a. See Appendix A, Appendix B, and Appendix C for the discussion and summary of stream and Joe Pool Lake beach monitoring results, and map location of the outfalls inspected for dry weather screening , respectively

D. Impaired Waterbodies and Total Maximum Daily Loads

The City of Grand Prairie discharges to a waterbody for which there is a TCEQ approved TMDL for bacteria. The City has also determined that it may be a source of bacteria for impaired waterbodies (as listed on the CWA 303(d) list) that do not have an TMDL. As such, the City has implemented the BMPs described in the SWMP and, where applicable, the TCEQ approved Implementation Plan for Twenty Two Total Maximum Daily Loads for Bacteria in the Greater Trinity River Region (I-Plan) throughout these and all other areas of Grand Prairie where bacteria is a pollutant of concern (as described in the City's approved SWMP).

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.

NA.

2. If applicable, explain below or attach a summary of 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:

The following is a summary of BMPs used to address bacteria, the pollutant of concern in the impaired waterbodies in Grand Prairie. Please see Appendix A and Appendix B for stream and beach sampling results, respectively.

MCM/BMP	BMP Description
1.1 Household Hazardous Waste (HHW) Program *(TMDL)*	Reduction of the unauthorized disposal of household hazardous waste will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste.
1.2 Pet Waste Management Education and Involvement *(TMDL)*	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach.
1.3 Environmental Compliance Workshops *(TMDL)*	Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and potential sources of stormwater pollution.
1.4 Commercial and Industrial Activity Education on the Impacts of Floatables *(TMDL)*	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to selected facilities during routine inspections.
1.5 Informational Material for Automotive Related Businesses *(TMDL)*	Awareness of the impact of the automotive sector's pollutants on water quality will be integrated into existing activities through the distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections.
1.6 Funding for Elementary School Curriculum on Stormwater Quality *(TMDL)*	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.
1.7 Pipeline Newsletter ***(TMDL)***	Raise awareness of stormwater issues for citizens by placing articles in the City's newsletter.
1.8 Multimedia Stormwater Public Education *(TMDL)*	Promote watershed awareness for citizens, City staff, and visitors using multiple types of media, including a website, City's cable channel, and Facebook.
1.9 Tailor Outreach Programs to non-English languages *(TMDL)*	Ensure educational materials are translated into Spanish, as needed.
1.10 Storm Drain Markers *(TMDL)*	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.
1.11 Public Education Event (*TMDL)*	Hold an educational event that demonstrates the effects of various residential and commercial pollutants on stormwater quality and promotes stormwater BMPs.
1.19 Illegal Dumping Hotline *(TMDL)*	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10)

2.1 Maintain a GIS Database of the MS4 ***(TMDL)***	Maintain an updated map of the locations of all outfalls location of MS4 owned or operated facilities, stormwater controls and the names of all receiving US surface waters.
2.2 Priority Areas *(TMDL)*	Maintain and document the process for selection of priority areas.
2.3 Dry Weather Field Screening *(TMDL)*	Develop and implement a program to detect and address non-stormwater discharges, including illegal dumping, into the storm sewer system.
2.4 Complaint Response and Database ***(TMDL)***	Investigate all citizen complaints and maintain a database of all citizen complaints regarding illicit discharges.
2.5 Illicit Discharge and Spill Procedures ***(TMDL)***	Develop and maintain procedures for responding to illicit discharges and spills.
2.6 Source Investigation and Elimination ***(TMDL)***	Identify and locate the source of illicit discharges and/or spills. Require responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spill.
2.7 Spill Response ***(TMDL)***	Coordinate with the Fire Department on emergency spill response.
2.9 Building Project Review Process *(TMDL)*	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.
2.10 Illegal Dumping Hotline and Clean up *(TMDL)*	Encourage citizens to report illicit discharges or violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 1.26)
2.11 Stream Sampling ***(TMDL)***	Assess water quality of streams through monthly stream monitoring of 10 sites within or near the city limits. Investigate atypical results for an illicit discharge. See Appendix A for results.
2.12 Sanitary Sewer Overflow Response Plan ***(TMDL)***	Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.
2.13 Illicit Discharge Awareness Campaign for Businesses and General Public *(TMDL)*	Inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.
2.14 Educating and Training City Field Staff *(TMDL)*	Ensure City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training (see also BMP 5.7).
2.15 Stormwater Ordinance (*TMDL)*	Review the stormwater ordinance for necessary revisions and update as needed. The ordinance effectively prohibits non-stormwater discharges into the storm sewer system and implements enforcement procedures and actions. The ordinance also includes a description of local controls and conditions established for common and incidental non-stormwater discharges not considered illicit.
2.16 Litter Collection Program	Keeping the major thoroughfares clean and free of litter will reduce the amount of

(TMDL)	floatables that reach water ways. A contractor is employed to clear litter from these roadways.
2.17 Beach Sampling Program *(TMDL)*	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water. See Appendix B for results.
2.18 On Site Sewage System Permitting *(TMDL)*	Onsite sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and abated.
2.19 Auto Inspection Program *(TMDL)*	Inspect auto-related businesses for water quality issues on an annual basis.
2.20 Grease Trap Pumping *(TMDL)*	In order to reduce the number of illicit discharges, ensure grease traps are being pumped as required.
2.21 Horse Stables *(TMDL)*	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.
2.23 Sanitary Sewer Systems *(TMDL)*	Ensure sanitary sewers are functioning properly in order to reduce overflows.
5.1 Storm Sewer System Operation and Maintenance for the City of Grand Prairie *(TMDL)*	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.
5.2 Disposal of Waste Removed from the MS4 for the City of Grand Prairie *(TMDL)*	Maintain standard operating procedure for the disposal of waste removed from the MS4.
5.3 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.1) *(TMDL)*	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.
5.4 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.2) *(TMDL)*	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.
5.5 List Potential Problem Areas for Inspection *(TMDL)*	Develop a list of potential problem areas, then identify and prioritize areas for increased inspection (i.e. illegal dumping).
5.6 Street Operation and Maintenance *(TMDL)*	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.
5.7 Educating and Training City Field Staff *(TMDL)*	Inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices (see also BMP 2.14).

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

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.1 Household Hazardous Waste (HHW) Program ***(TMDL)***	Reduction of the unauthorized disposal of household hazardous waste will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste.	1. Distribute 100 pamphlet and/or wheel distribution at the Development Center	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Discuss hazards of household hazardous waste at least 1 time per year in a City newsletter		Years 1 – 5
		3. Handout HHW magnets to at least 100 citizens per year		Years 1 – 5
		4. Conduct one review of the contract with Forth Worth annually to allow Grand Prairie citizens to drop off HHW at the Environmental Collection Center		Year 1
		5. Annually hold at least 1 HHW collection event in Grand Prairie		Years 1 – 5

All activities for this BMP are complete for Year 2.

<u>BMP 1.1 Activities Completed</u>

12/31/2020
HHW Events
The Environmental Quality Division held six (6) Household Hazardous Waste events during the reporting period. During this time 901 households participated in the events. The City distributed Household Hazardous Waste magnets to all the participants. Approximately 58,510 pounds of hazardous waste products were recycled.

During this reporting period, eight (8) articles advertising HHW events and/or discussing the hazards of disposing of household hazardous waste improperly were printed in the Pipeline, a City newsletter distributed via water utility bills and available on the City's website.

12/31/2019
Contract with Fort Worth ECC
The City of Grand Prairie renewed and maintained a contract with the Fort Worth Environmental Collection Center for the proper disposal of household hazardous waste. This contract allows City of Grand Prairie residents to dispose of their household hazardous waste during the regular operating hours of the Collection Center. In addition, the Environmental Quality Division takes all household hazardous waste collected during HHW events to the Collection Center.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.2 Pet Waste Management Education and Involvement ***(TMDL)***	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach.	1. Annually distribute a minimum of 200 informative brochures at the Development Center and/or at educational events 2. Install 2 pet waste collection dispensers at any future pet park to promote proper owner disposal of pet waste	Environmental Services Department, Environmental Quality Division and Animal Services Division	Years 1 – 5 Year 4

All activities for this BMP are complete for Year 2.

<u>BMP 1.2 Activities Completed</u>

12/31/2020
"Doo the Right Thing" Video
The "Doo the Right Thing" video is posted on the City's website at www.gptx.org/EnvironmentalQuality/PetWaste. In addition, this video aired on GPTV once a day, every day in Year 2.

12/31/2020
Display Poster, Banner and brochures
The City distributed Pet Waste & Water Quality brochures (in English and Spanish) explaining the environmental issues associated with pet waste

and how to dispose of the waste properly. Two-hundred (200), or as many as needed, of these brochures were distributed at the Development Center and Prairie Paws Adoption Center. In addition, the "If you think picking up poop is unpleasant, try drinking it" poster is displayed in Environmental Quality Division's office .

12/31/2020
Pet Waste Collection Dispensers
No new pet parks were developed in Grand Prairie during this permit term.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.3 Environmental Compliance Workshops ***(TMDL)***	Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and potential sources of stormwater pollution.	1. Encourage P2 measures through semi-annual environmental compliance workshops and provide recognitions when appropriate.	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.3 Activities Completed

10/06/2019
Environmental Compliance Workshops
The Environmental Quality Division held three Environmental Compliance Workshops during the reporting period. On January 29, 2020, Peter Baldwin with HydroTech Solutions presented on High Performance Water Management for Industrial Facilities; on August 4, 2020 , Cindy Mendez with the City of Grand Prairie presented on COVID-19 updates and Clean Air Action Challenge; on October 6, 2020 the City hosted the Annual Awards Luncheon where P2 awards were given to three industries and nineteen (19) industries were given awards for 100% Compliance.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.4 Commercial and Industrial Activity Education on the Impacts of Floatables ***(TMDL)***	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to	1. Distribute informative brochures to 50% of the industrial facilities and food permit	Environmental Services Department, Environmental Quality Division	Years 1 – 5

	selected facilities during routine inspections.	holders inspected each calendar year 2. 80% of the informative brochures will be available on the City website		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.4 Activities Completed

12/31/2020
Brochure Distribution
Distributed English and Spanish "Clean It Right" brochures to 100% food permit holders during inspections, at Food School, and at the Development Center. "An Industry's Guide for Protecting Grand Prairie's Watershed" was distributed during industrial inspections and at the Development Center.

01/1/2020
Brochures on Website
The "Clean it Right" and "An Industry's Guide for Protecting Grand Prairie's Watershed" brochures are on the City's website. These brochures may be found at www.gptx.org/environmentalquality/FoodService and www.gptx.org/environmentalquality/Industrial, respectively.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.5 Informational Material for Automotive Related Businesses(ARB) ***(TMDL)***	Awareness of the impact of the automotive sector's pollutants on water quality will be integrated into existing activities through the distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections.	1. Distribute automotive and stormwater quality informative material during 100% of Certificate of Occupancy inspections 2. Publish auto related business BMPs once during the permit term on the City's website 3. Create mailing list of ARB and industrial facilities and electronically mail out	Environmental Services Department, Environmental Quality Division, Code Enforcement	Years 1 – 5 Years 1 Years 1- 5

	annually informative material regarding stormwater BMPs to 100% of the ARB mailing list 4. Create and distribute a water quality and code enforcement "AutoWatch" publication featuring environmental issues specific to automotive related businesses to at least 300 businesses annually.	Years 1-5

All activities for this BMP are complete for Year 2.

BMP 1.5 Activities Completed

12/31/2020
ARB Educational Materials
Environmental Specialists with the Environmental Quality Division distributed automotive and stormwater quality educational materials during Certificate of Occupancy inspections. Materials included items such as posters, Auto Watch (an Environmental Quality and Code Enforcement publication); a list of State permitted liquid and solid waste haulers, the City's Automotive Related Business ordinance, Operational Requirements for Mobile Wash Vendors, and stormwater and backflow brochures.

1/1/2019
BMPs on Website
Auto related BMPs are posted on Environmental Quality's Auto Related Business Education webpage. This page may be found at www.gptx.org/ARB.

12/31/2020
AutoWatch
Autowatch Newsletter featuring environmental issues specific to automotive related businesses was distributed to at least 625 businesses and electronically mailed to 100% of the ARB mailing list in January and July of 2020

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.6 Funding for Elementary School Curriculum on Stormwater Quality ***(TMDL)***	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.	1. Respond to 100% of Grand Prairie ISD requests and purchase Major Rivers© or similar curriculum.	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.6 Activities Completed
12/31/2020
Major Rivers Order
Grand Prairie ISD did not request to purchase additional Major Rivers or similar curriculum

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.7 Pipeline Newsletter ***(TMDL)***	Raise awareness of stormwater issues for citizens by placing articles in the City's newsletter.	1. Annually distribute information about stormwater issues in the city newsletter "Pipeline" to 80% of the City's customers	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goals for this Year 2.

BMP 1.7 Activities Completed
12/31/2020
Pipeline Articles
The City distributed stormwater related articles with the water utility bill to 100% (44,000) of the City's customers. Eight (8) Pipeline articles contained information on household hazardous waste issues and events, one (1) contained information about keeping leaves from streets and alleys , one (1) contained information about storm inlets and pollution prevention, one (1) contained information on how to properly handle grass clippings, one (1) sought volunteers for a City hosted stream clean-up, one (1) contained information on how to report pollution, and one (1) article included information on the master composter classes offered by the City.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.8 Multimedia Stormwater Public Education ***(TMDL)***	Promote watershed awareness for citizens, City staff, and visitors using multiple types of media, including a website, City's cable channel, and Facebook.	1. Have stormwater quality public service announcement on GPTV at least once per year	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Post stormwater quality message on Facebook at least twice per year		Years 1 – 5
		3. One time publish Stormwater Pollution Prevention information on the City's website		Years 1
		4. Require 90% of the new employee to view stormwater related video		Years 1 – 5
		5. Annually review the number of views of *Find Your Watershed* hyperlink on the City's website, where citizens can enter their address and find out their watershed.		Years 1-5

The City exceeded the goals for this Year 2.

<u>BMP 1.8 Activities Completed</u>

12/31/2020

Stormwater Post on Facebook

Eighteen (18) posts with a stormwater quality message were placed on Facebook. Messages discussed how to keep grease from entering the drain, watershed protection, stream cleanup events, pet waste, and fertilizer and pesticides.

12/31/2020
Stormwater PSAs on GPTV
The City airs the following stormwater pollution prevention PSA videos on GPTV once a day, seven days a week: Doo the Right Thing, Auto Fluids, Detergents, Yard Waste, Paints, and Fertilizers. A Stormwater to Drinking Water PSA airs four times a day, 7 days a week. (See also BMP 2.13)

12/31/2020
New Employee Orientation
Presented "Preventing Storm Water Pollution: What We Can Do" video to 100% of the 294 employees using the City's new Onboard system.

1/1/2019
Stormwater Information on Website
The Environmental Quality Division maintains stormwater educational material for the Environmental Quality website. This information is updated as needed and includes pages for the following topics: Stormwater, What are Watersheds?, Pet Waste, Cooking Oils, Lawn Chemicals, Volunteering, Stream Monitoring, Kids Activities, Storm Water Management Program, and Texas Stream Team. The address to this website is: www.gptx.org/EnvironmentalQuality/Stormwater.

12/31/2020
Number of Views of Find Your Watershed hyperlink
The *Find Your Watershed* was viewed 283 times in 2020.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.9 Tailor Outreach Programs to non-English languages *(TMDL)*	Ensure educational materials are translated into Spanish, as needed.	1. Provide 50% of educational materials in Spanish.	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.9 Activities Completed

1/1/2020
Educational Materials in Spanish
The City provides residents with many stormwater educational materials in Spanish. This includes, but is not limited to, the following: Lawn Care Maintenance, Fat Free Sewers, Storm Water Management for Salvage Yard, Steps to Obtain Construction Permits for Storm Water Discharges, Pet Waste & Water Quality, Preventing Stormwater Pollution at Construction Sites, Clean It Right, After the Storm: A Citizen's Guide to Understanding Stormwater, Clean Shop posters, and the Auto Related Business Ordinance.
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BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.10 Storm Drain Markers ***(TMDL)***	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.	1. Purchase and install 100 of the City's unmarked storm drain curb inlets annually. Volunteers will be enlisted to help with the installation, when available	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goals for this Year 2 BMP.

BMP 1.10 Activities Completed

07/17/2018
Storm Drain Marker Purchase
The Environmental Quality Division purchased 400 plastic curb markers to place on storm inlets.

12/31/2020
Storm Drain Labeling
116 storm drain makers were placed in 2020.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.11 Public Education Event ***(TMDL)***	Hold an educational event that demonstrates the effects of various residential and commercial pollutants on stormwater quality and promotes stormwater BMPs.	1. Annually hold a public education event that focuses on education through involvement and promotional giveaways	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 1.11 Activities Completed

Public Education Events
The City hosted *Fish Creek Clean Up Event* on 1/25/2020 staff distributed stormwater related educational materials, had interactive games for the attendees, and demonstrated the Watershed map.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
1.19 Illegal Dumping Hotline *(TMDL)*	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10) Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10)	1. Publish one Illegal Dumping Hotline available on the City's Code Enforcement website	Planning and Development Department, Code Enforcement Division, Environmental Services Department, Environmental Quality Division	Year 1

All activities for this BMP were complete for Year 1 .

BMP 1.19 Activities Completed

1/1/2019

Illegal Dumping Hotline on City's Website

Information for the City's Illegal Dumping Hotline is posted on the City's Stormwater webpage at www.gptx.org/EnvironmentalQuality/Stormwater and the Code Enforcement's website at www.gptx.org/index.aspx?page=219.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.2 Priority Areas (TMDL)	Update priority areas within the city likely to have an illicit discharge	1. Document the process for selection of priority areas once during the permit term. 2. Update priority areas map	Environmental Services Department, Environmental Quality Division	Year 1 Year 2

All activities for this BMP are complete for Year 2.

BMP2.2 Activities Completed.

The City maintained document with process for selection of priority areas in 2019. A map was updated with areas within the city that are likely to have an illicit discharge so that monitoring efforts in these areas may increase in 2020.

BMP	*BMP Description*	*Measurable Goals*	*Responsibility*	*Target Date*
2.3 Dry Weather Field Screening ***(TMDL)***	Develop and implement a program to detect and address non-stormwater discharges, including illegal dumping, into the storm sewer system.	1. Revise dry weather field screening program 2.Conduct dry weather screening of 1/3 of priority areas as identified in BMP 2.2	Environmental Services Department, Environmental Quality Division	Year 2 Years 1-5

All activities for this BMP are complete for Year 2.

BMP 2.3 Activities Completed

12/31/2020
Dry Weather Field Screening
City Revised the dry weather screening program. The City has 404 outfalls that are within the priority area and meet the criteria for a dry weather screening inspection. The City is to inspect 1/3 of the priority area during the permit term (Year 1- 5). In 2019 and 2020, 71 and 104 outfalls were screened for illicit discharges, respectively.

BMP	**BMP Description**	**Measurable Goals**	**Responsibility**	**Target Date**
2.4 Complaint Response and Database ***(TMDL)***	Investigate all citizen complaints and maintain a database of all citizen complaints regarding illicit discharges.	1. Document 100% of citizen complaints using the complaint database 2. Maintain a response of 80% within 5 days	Environmental Services Department	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.4 Activities Completed

12/31/2020

The Digital Health Department Database

The Environmental Quality Division uses the Digital Health Department, a Web based database, to track 100% of 360 citizen complaints regarding stormwater in 2020.

12/31/2020

Investigate Complaints

The Environmental Quality Division investigated 98.88% (356) citizen complaints regarding stormwater within five (5) working days. Eight (8) spills and 6 SSOs were investigated and resolved during this reporting period

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.5 Illicit Discharge and Spill Procedures ***(TMDL)***	Develop and maintain procedures for responding to illicit discharges and spills.	1. Respond to 100% spill complaints following standard operating procedures for responding to spills	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Respond to 100% of the illicit discharges complaints		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.5 Activities Completed

12/31/2020

Spill Response SOPs

The City has standard operating procedures for the following types of spills: diesel or oil, hazardous materials for transportation incidents, hazardous materials for general materials incidents, hazardous materials for small spills, spill reporting guidelines, gas padsite fracturing fluids, and passenger vehicle fires and fluid spills. 100% of the spill complaints are responded following the standard operating procedures.

12/31/2020

The City has a standard operating procedure for responding to illicit discharges. 100% of the 360 stormwater related complaints were responded in 2020

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.6 Source Investigation and Elimination ***(TMDL)***	Identify and locate the source of illicit discharges and/or spills. Require responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spill. Identify and locate the source of illicit discharges and/or spills. Require responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spill.	1. Conduct source investigations of 100% of illicit discharge to identify and locate illicit discharges as soon as practicable and document all observations, field and lab measurements, and follow up investigation reports.	Environmental Services Department, Environmental Quality Division Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Report to the TCEQ 100% of all illicit discharges/spills believed to be an immediate threat to human health or the environment		Years 1 – 5
		3. Notify 100% of responsible party and require the responsible party to take all corrective actions necessary		Years 1 – 5
		4. Notify 100% of all adjacent permitted MS4 operator or the TCEQ if an illicit discharge/spill extends outside of Grand Prairie's boundary		Years 1 – 5
		5. Perform dry weather field screening during 100% of illicit discharges follow-up investigation to ensure discharge has been eliminated.	Years 2-5	

All activities for this BMP are complete for Year 2.

<u>BMP 2.6 Activities Completed</u>

12/31/2020

Illicit Discharge/Spill Response

The City investigates all illicit discharges and spills that are identified through stream monitoring, complaints, dry weather field screening, or by any

other means, as soon as practicable. The source of the illicit discharge or spill is determined through investigation procedures such as screening for the pollutant upstream or up the storm drain line, taking field and /or lab samples to narrow the source possibilities, researching facilities upstream/up the storm drain line to determine their possible role in the discharge/spill, searching the area on foot or in a vehicle to spot the source, and/or any other method necessary. Once the source is identified, and if it is determined there is a responsible party, Environmental Specialists enforce the City ordinances restricting improper discharges of pollutants. The City ensures that illicit discharges/spills are properly remedied, either by the responsible party or, if no party can be identified, through the use of a City contractor. The City reports all discharges/spills to the TCEQ if the discharge/spill is believed to be an immediate threat to human health or the environment. In 2020, the City reported 100% of the 15 SSOs to the TCEQ. If the discharge/spill reaches or is expected to reach a neighboring MS4, the City notifies the operator of that MS4. In 2020, one discharge was identified to be releasing from the nearing MS4 (City of Arlington) and they were notified. Dry weather field screening is performed during follow-up of the of all the illicit discharge investigations.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.7 Spill Response ***(TMDL)***	Coordinate with the Fire Department on emergency spill response.	1. Respond to 100% of the emergency spill call. Conduct six (6) emergency responder meetings in a year for continued training.	Environmental Services Department	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.7 Activities Completed

12/31/2020

Spill Response and Training

Environmental Specialists from the Environmental Quality Division respond to spills, sanitary sewer overflows, and other environmental hazards 24 hours a day, 365 days a year. Specialists are continuously educated through emergency responders meetings and through peer to peer training. In 2020, eight (8) emergency responder meetings were conducted. Eight (8) spills and 6 SSOs were investigated and resolved during this reporting period.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.9 Building Project Review Process ***(TMDL)***	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.	1. Review at least 80% of new commercial construction plans for water quality hazards 2.Inspect at least 80% of Certificates of Occupancy that have a potential to impact stormwater	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.9 Activities Completed

12/31/2020
Certificate of Occupancy Inspections and Building
The Environmental Quality Division received 798 Certificate of Occupancy applications and 447 Building Projects during this reporting period. 100% of the COs and Building Projects with the potential to impact stormwater were inspected and/or reviewed for water quality hazards.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.10 Illegal Dumping Hotline and Clean-up ***(TMDL)***	Encourage citizens to report illicit discharges or violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 1.26)	1. Publish one Illegal Dumping Hotline available on the City's Code Enforcement and Environmental Services website 2. Annually publish at least one article with information on illicit discharges and contacts for reporting illicit discharges in the City's Newsletter "Pipeline". Pipeline is mailed to the citizens with the water bill. 3. Remove 80% of illegally dumped debris at least 30 days from the day the violation was reported	Planning and Development Department, Code Enforcement Division, Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goal for this Year 2 BMP.

BMP 2.10 Activities Completed

1/1/2020
Illegal Dumping Hotline on City's Website
The illegal dumping hotline is included on the City's Stormwater webpage at www.gptx.org/EnvironmentalQuality/Stormwater and on the Code Enforcement's website at www.gptx.org/index.aspx?page=219.

12/31/2020
Article on Reporting Illicit Discharges
Eight (8) Pipeline articles contained information on household hazardous waste issues and events, one (1) contained information about keeping

leaves from streets and alleys , one (1) contained information about storm inlets and pollution prevention, one (1) contained information on how to properly handle grass clippings, one (1) sought volunteers for a City hosted stream clean-up, one (1) contained information on how to report pollution, and one (1) article included information on the master composter classes offered by the City**.**

12/31/2020

Illegal Dumping Response

The City responded to 73 illegal dumping complaints during this reporting period. 98.63% (72) of these complaints were resolved within 30 days of the day the violation was reported.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.11 Stream Sampling *(TMDL)*	Assess water quality of streams through monthly stream monitoring of 10 sites within or near the city limits. Investigate atypical results for an illicit discharge.	1. Monitor and investigate 10 streams for atypical stream results on a monthly basis	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goal for this Year 2 BMP.

BMP 2.11 Activities Completed

12/31/2020

Stream Sampling

The Environmental Quality Division has voluntarily conducted stream sampling since 1986. Currently, 23 stream sites are sampled on a monthly, quarterly, and annual basis. The data collected during these monitoring events are used to detect and eliminate illicit discharges or other threats to human and environmental health. Atypical results are identified and researched. All possible attempts are made to mitigate any atypical results. In addition, stream monitoring data are provided to the Clean Rivers Program for water quality monitoring, assessment, and public outreach.

This BMP is highly effective at reducing pollutants to the MEP. Over the many years of implementing this program, numerous atypical results have led to the mitigation of illicit discharges, SSOs, or spills. See Appendix A for a discussion and summary of the results.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.12 Sanitary Sewer Overflow Response Plan *(TMDL)*	Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.	1. Water Utilities and Environmental Services to respond to 80% of the reported SSOs	Environmental Services Department, Public Works Department, Water Utilities Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.12 Activities Completed

01/01/2020
Standard Operating Procedure
The City's Water Utility and Environmental Quality Divisions respond to all sanitary sewer overflows by following a Standard Operating Procedure (SOP). This SOP was updated on 3/28/2017 and remains current. Water Utility's responsibilities include, but are not limited to, cleaning, containing, and recovering sewage, and clearing, repairing, and/or replacing pipeline failures. Environmental Quality Division's responsibilities include, but are not limited to, noting visual observations and sampling for ammonia nitrogen in receiving waterbodies (if applicable). Water Utility and Environmental Quality work together to determine the cause of the overflow and the appropriate clean up response. In 2020, City responded to all fifteen (15) reported SSOs**.**

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.13 Illicit Discharge Awareness Campaign for Businesses and General Public *(TMDL)*	Inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	1. Educate the general public and 25% of potential polluting businesses annually through the use of brochures, videos, or other methods	Environmental Services Department, Environmental Quality Division	Year 1 – 5

The City exceeded the goal for this Year 2 BMP.

BMP 2.13 Activities Completed

Exceeded goal

12/31/2020
Educational Brochures, and Newsletters
Three public events were held where general public was distributed with brochures. 31 industries in the City possess waste water discharge permit and approximately 594 Auto Related Businesses exist within the City limits. Newsletters with stormwater related messages were emailed to 443 industry representatives and to approximately 752 Auto Related businesses representatives. Stormwater educational materials addressing illicit discharges were distributed throughout this reporting period. This includes, but is not limited to, the following: An Industry's Guide for Protecting Grand Prairie's Watershed, Fat Free Sewers, Environmental Guide for Auto Repair and Body Shops, Preventing Stormwater Pollution at Construction Sites, Clean It Right, After the Storm: A Citizen's Guide to Understanding Stormwater, the AutoWatch newsletter, the Auto Related Business Ordinance, and the H2O Line.

12/31/2020

Stormwater Posts on Facebook

Eighteen (18) posts with a stormwater quality message were placed on Facebook. Messages discussed how to keep grease from entering the drain, reduce plastic pollution, stop littering, watershed protection, and pet waste. (See also BMP 1.8.)

12/31/2020

Stormwater PSAs on GPTV

The City airs the following stormwater pollution prevention PSA videos on GPTV once a day, seven days a week: Doo the Right Thing, Auto Fluids, Detergents, Yard Waste, Paints, and Fertilizers. A Stormwater to Drinking Water PSA airs four times a day, 7 days a week. (See also BMP 1.8)

01/01/2020

Stormwater Information on Website

The Environmental Quality Division maintains stormwater educational material for the Environmental Quality website. This information is updated as needed and includes pages for the following topics: Stormwater, What are Watersheds?, Pet Waste, Cooking Oils, Lawn Chemicals, Volunteering, Stream Monitoring, Kids Activities, Storm Water Management Program, and Texas Stream Team. The address to this website is: www.gptx.org/EnvironmentalQuality/Stormwater. (See also BMP 1.8)

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.14 Educating and Training City Field Staff *(TMDL)*	Ensure City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training (see also BMP 5.7).	1. Disseminate IDDE training video to field staff and keep materials and attendance lists at the Environmental Quality Division office	Environmental Services Department, Environmental Quality Division	Year 2
		2.Annually provide 250 vehicle decals with contact information in the event staff observes an illicit discharge		Year 1-5
		3.Purchase and distribute IDDE posters for display in 100% of applicable facility buildings.		Year 1

All activities for this BMP are complete for Year 2.

BMP 2.14 Activities Completed

12/31/2020
Disseminating IDDE Video
294 employees watched "Preventing Storm Water Pollution: What We Can Do".

12/31/2020
Vehicle Decals
250 vehicle decals with contact information in the event staff observes an illicit discharge were distributed.

12/31/2019
IDDE Poster
8 IDDE Posters were distributed to following City Facilities: -
Fleet Services
Streets
Landfill
Airport
Parks and Recreation
Engineering
Water Utilities
Field Office

12/31/2020
Miscellaneous Training
Two employees attended Basic Dry Weather Field Screening workshop to continue education and training.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.16 Litter Collection Program *(TMDL)*	Keeping the major thoroughfares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	1. Remove litter from major thoroughfares weekly	Environmental Services Department, Solid Waste Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.16 Activities Completed

12/31/2020
Litter Collection
The litter crew picks litter form the City right-of-way five days a week. They also change out the median trash receptacles that have been set out at some major intersections. In 2020, they collected 79.68 tons of litter. (See also BMP 5.6.)

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.17 Beach Sampling Program *(TMDL)*	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water.	1. Follow an SOP for beach sampling once a month during the summer or swimming months	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 2.17 Activities Completed

09/30/2020
Beach Sampling SOP and results
The beach sampling standard operation procedure is followed during sampling events.

This BMP is effective at reducing pollutants to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels.

Sampling for E. coli was conducted during the summer months from May to September. The designated swimming areas in Lynn Creek and Loyd Parks met the *primary contact recreation 1* criteria (where the recommended limits for the geometric mean is 126 MPN /100 mL and the single sample criterion for E. coli is 399 MPN/100 mL) in accordance with the 2018 Texas Surface Water Quality Standards §307.7(b)(1)(A)(i).
See Appendix B for the results of the beach sampling in 2020.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.18 On Site Sewage System Permitting *(TMDL)*	Onsite sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and	1. Keep record of 100% of the permitted sewage systems 2. Respond to onsite sewage	Environmental Services Department, Environmental Quality Division	Years 1 – 5 Years 1 – 5

	abated.	systems within 10 days of receiving complaint and enforce as necessary		

All activities for this BMP are complete for Year 2.

BMP 2.18 Activities Completed
12/31/2020
Complaints and Enforcement
Zero complaint was received in Year 2.
12/31/2020
Permitted OSSFs
Three OSSFs were permitted in Year 2.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.19 Auto Inspection Program *(TMDL)*	Inspect auto-related businesses for water quality issues on an annual basis.	1. Inspect at least 80% of auto-related businesses annually	Environmental Services Department, Environmental Quality Division	Years 1 – 5

The City exceeded the goals for this Year 2 BMP.

BMP 2.19 Activities Completed

12/31/20120
ARB Inspections
The Environmental Quality Division inspected 98.88% of the auto-related businesses in Grand Prairie in during this reporting period. Inspectors ensured ARBs were in compliance with local, state, and federal stormwater regulations.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.20 Grease Trap Pumping ***(TMDL)***	In order to reduce the number of illicit discharges, ensure grease traps are being pumped as required.	1. Inspect at least 80% of the food service businesses to ensure frequency of pumping requirements are met.	Environmental Services Department, Environmental Quality Division	Years 1-5

All activities for this BMP are complete for Year 2.

BMP 2.20 Activities Completed

12/31/2020

Grease Trap Compliance Report

During 2020, over 90% of food services were inspected. In 2020, Grand Prairie received 3,475 trip tickets for grease or sand traps pump outs. There were 3,517 events due during this period. This is a compliance rate of 98.8%. Forty two (42) charges were issued to health permit holders for not pumping grease traps

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.21 Horse Stables *(TMDL)*	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.	1. Perform annual inspections of 90% of the private horse stables and ensure good housekeeping practices are implemented 2. Prepare and distribute horse manure management guidelines for horse stables during inspections.	Environmental Services Department, Environmental Quality Division, Animal Services Division, Planning and Development Department, Code Enforcement Division	Year 1-5 Years 1-5

All activities for this BMP are complete for Year 2.

BMP 2.21 Activities Completed

12/31/2020

Horse Stable Inspections

100% of the seventeen (17) horse stables were inspected (using a previously created form) for possible sources of pollutants including manure, chemicals, debris, trash, muds, etc. Flyer with guidelines to manage horse manure were distributed during the inspections.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.22 Joe Pool Lake (JPL) Watershed Protection Plan *(TMDL))*	Collaborate with Trinity River Authority to establish an analytical framework for managing water quality and produce plans of action to address water quality issues within Joe Pool Lake Watershed..	1.Attend 90% of scheduled JPL watershed protection plan meetings to develop monitoring strategy, selection of appropriate and applicable methods for quantification of load reduction targets. 2. Apply at least one best management practice (BMP)	Environmental Services Department, Environmental Quality Division	Years 2-5 Year 5

		identified in the Protection Plan throughout the watershed to reach these load reduction targets.		

All activities for this BMP are complete for Year 2.

BMP 2.22 Activities Completed

12/31/2020
JPL Watershed Protection PLan
Four (4) JPL watershed protection plan meetings were held in January, February, August, and November of 2020. The City staff attended 100% of these meetings.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
2.23 Sanitary Sewer Systems *(TMDL)*	Ensure sanitary sewers are functioning properly in order to reduce overflows.	1. Make 80% of the necessary improvements to sanitary sewers and lift stations. 2. Ensure 100% of overflows are reported in compliance with state requirements	Environmental Services Department, Environmental Quality Division, Public Works Department, Water Utilities Division	Years 1-5 Years 1-5

All activities for this BMP are complete for Year 2.

BMP 2.23 Activities Completed

12/31/2020
Sanitary Sewer and Lift Station Improvements and Overflow Reporting
100% of the 1666 service requests received were completed in 2020. Improvements were made to sanitary sewer systems and lift stations, as needed. Fifteen (15) sanitary Sewer overflows were reported as required by the State.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.1 Storm Sewer System Operation and Maintenance for the City of Grand Prairie ***(TMDL)***	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	1. Use computer maintenance and management system to track 90% of the maintenance and complaint responses	Public Works Department, Streets Division	Years 1 – 5
		2. Respond to 80% of citizen complaints and input information into City Works Management System		Years 1 – 5
		3. Track 90% of the storm sewer and drainage maintenance through City Works Management System		Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.1 Activities Completed

12/31/2020

Complaint and Maintenance Response and Tracking

The City used the City Works Management System to track complaints and maintenance activities. During this reporting period, the City responded to 100% of 211 complaints and/or maintenance needs .

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.3 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.1) ***(TMDL)***	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	1. Respond to 100% written complaints within the District	Dallas County Flood Control District #1	Years 1 – 5
		2. Annually perform 100% maintenance reviews and prepare report		Years 1 – 5

	3. Conduct annual inspection of the district to note needed repairs, deterioration from past years, and make list of priorities. For each area noted state in the annual report what the district's plan is on the repair or monitoring of that area.	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.3 Activities Completed

2/16/2021 ***Responsible Party: Dallas County Flood Control District #1***

Complaints, Reviews, and Repairs

No written complaints were filed in year 2. The annual maintenance review was conducted in November 2020, the draft report was prepared in February 2021, and the final will be submitted in March 2021. See the report for the district's plan for each area. There are no known necessary repairs to District facilities in Grand Prairie at this time.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.4 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.2) ***(TMDL)***	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	1. Annually review a SOP for waste disposal	Dallas County Flood Control District #1	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.4 Activities Completed

2/16/2021 ***Responsible Party: Dallas County Flood Control District #1***

DCFCD SOP for Waste Disposal

The DCFCD #1 developed a standard operating procedure (SOP) for waste removed from the storm water system in 2009 as a measurable goal for the 2008 TPDES General Permit TXR040000. The 2009 SOP remains current. It includes an introduction, purpose, district general response

capabilities, and procedures for clearing and collecting debris from the MS4.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.5 List Potential Problem Areas for Inspection ***(TMDL)***	Develop a list of potential problem areas, then identify and prioritize areas for increased inspection (i.e. illegal dumping).	1. Update 100% of the list of potential problem areas with illegal dumping. 2. Identify and prioritize 100% of the problem areas for at least monthly inspection	Dallas County Flood Control District #1	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.5 Activities Completed

12/31/2020
Five (5) major problem areas were identified in Year 2. Monthly inspection were made.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.6 Street Operation and Maintenance ***(TMDL)***	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.	1. Annually sweep business district, thoroughfares and more often on high traffic roads	Environmental Services Department, Solid Waste Division	Years 1 – 5
		2. In addition to sweeping program, for 80% of the major roads, the City will implement other trash and litter control procedures or provide inlet protection measures		Years 1 – 5

	3. The City will require that 100% of non-prohibited materials be disposed of at a Type I landfill	Years 1 – 5

All activities for this BMP are complete for Year 2.

BMP 5.6 Activities Completed

12/31/2020
Street Sweeping
Mr. Dirt Sweeping Services is the city's contractor to sweep the business district, major thoroughfares and some public parking lots on an annual basis. In 2020, they collected 135.93 tons of debris from our city streets.

12/31/2020
Additional Trash and Litter Control Measures
The litter crew is a five-person team that picks litter form the City right-of-way five days a week. They also change out the median trash receptacles that have been set out at some major intersections. In 2020, they collected 79.68 tons of litter. (See also BMP 2.16)

1/1/2020
Type I Landfill
The code of ordinances, Article VI- Garbage Collection and Disposal, Sec. 26-101(a) states that: "All municipal solid waste generated within the City of Grand Prairie not prohibited by law for disposal in Grand Prairies Type I landfill shall be transported to the landfill for proper disposal." All materials collected within city limits are disposed of at the Grand Prairie Municipal Landfill.

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
5.7 Educating and Training City Field Staff *(TMDL)*	Inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices (see also BMP 2.14).	1. Disseminate stormwater training video to 90% of the new field staff and keep materials and attendance lists at the Environmental Quality Division office 2.Provide 250 vehicle decals annually with contact information in	Environmental Services Department, Environmental Quality Division	Year 2 Year 1-5

	the event staff observes an illicit discharge. 3. Purchase and distribute IDDE posters to 100% of the applicable facility buildings for display.	 Year 1

All activities for this BMP are complete for Year 2.

BMP 5.7 Activities Completed

12/31/2020
Disseminating IDDE Video
294 employees watched "Preventing Storm Water Pollution: What We Can Do".

12/31/2020
250 vehicle decals with contact information in the event staff observes an illicit discharge were distributed.
8 IDDE Posters were distributed to following City Facilities: -
Fleet Services
Streets
Landfill
Airport
Parks and Recreation
Engineering
Water Utilities
Field Office

12/31/2020
Miscellaneous Training
Two employees attended Basic Dry Weather Field Screening workshop to continue education and training in 2020.

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

Benchmark Parameter	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
Bacteria	0841_01, Lower West Fork Trinity River, 589.6 billions MPN/day	No other activities were conducted in addition to those listed above.	Not applicable
Bacteria	0841B, Bear Creek, 1,085 billions MPN/day	No other activities were conducted in addition to those listed above.	Not applicable
Bacteria	0841C, Arbor Creek, 47.59 billions MPN/day	No other activities were conducted in addition to those listed above.	Not applicable
Bacteria	0841E, Copart Branch Mountain Creek, 24.62 billions MPN/day	No other activities were conducted in addition to those listed above.	Not applicable
Bacteria	0841G, Dalworth Creek, 56.41 billions MPN/day	No other activities were conducted in addition to those listed above.	Not applicable
Bacteria	0841L, Johnson Creek, 491.0 billions MPN/day	No other activities were conducted in addition to those listed above.	Not applicable
Bacteria	0841Q, North Fork Fish Creek, 26.08 billions MPN/day	No other activities were conducted in addition to those listed above	Not applicable

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

Benchmark Parameter	*BMP#*	*BMP Name*	*BMP Description*	*How is BMP effective in contributing to achieving the benchmark?*
Bacteria	1.1	HHW Program	Reduction of the unauthorized disposal of household hazardous waste will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste.	Encourages the proper disposal of hazardous waste and informs citizens of when and where they can dispose of waste. Actively allows citizens to participate and dispose of HHW properly. The Environmental Quality Division held six (6) Household Hazardous Waste events during the reporting period. During this time 901 households participated

			Encourage citizens to dispose of HHW properly by participating in City hosted events	in the events. The City distributed Household Hazardous Waste magnets to all the participants. Approximately 58,510 pounds of hazardous waste products were recycled
Bacteria	1.2	Pet Waste	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach.	Give-a-ways, PSAs, and brochures target the appropriate audience and encourage proper disposal of pet waste.
Bacteria	1.3	Environmental Workshop	Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and potential sources of stormwater pollution.	Nineteen (19) out of the thirty one (31) permitted facilities were recognized for having no effluent, reporting or storm water violations during the year.
Bacteria	1.4	Commercial/Industrial Floatables Education	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to selected facilities during routine inspections.	Educational materials discuss methods for reducing floatables. Reaches the appropriate audience as brochures are distributed during inspections, classes, workshops, and at the Development Center.

Bacteria	1.5	Information for Auto Related Businesses	Awareness of the impact of the automotive sector's pollutants on water quality will be integrated into existing activities through the distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections.	Compliance has increased. The total enforcement increased from 166 violations in 2019 to 227 violations in 2020.
Bacteria	1.6	Funding for Elementary School Curriculum on Stormwater Quality	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.	This program emphasizes the importance of stormwater pollution controls to young students who in turn may relay this information to their older parents/guardians.
Bacteria	1.7	Pipeline Newsletter	Raise awareness of stormwater issues for citizens by placing articles in the City's newsletter.	This is the most widely read city publication. The City distributed stormwater related articles with the water utility bill to 100% (44,000) of the City's customers. Eight (8) Pipeline articles contained information on household hazardous waste issues and events, one (1) contained information about keeping leaves from streets and alleys , one (1) contained information about storm inlets and pollution prevention, one (1) contained information on how to properly handle grass clippings, one (1) sought volunteers for a City hosted stream clean-up, one (1) contained information on how to report pollution, and one (1) article included information on the master composter classes offered by the City.
Bacteria	1.8	Multimedia Education	Promote watershed awareness for citizens, City staff, and visitors using multiple types of media, including a website, City's cable channel, and Facebook.	Promotes watershed awareness to Grand Prairie citizens through Grand Prairie TV, the City's website, and Facebook.

Bacteria	1.9	Non-English	Ensure educational materials are translated into Spanish, as needed.	There is a high population of only Spanish speaking citizens in Grand Prairie. Approximately 47.5% of the City's population is of Hispanic origin.
Bacteria	1.10	Drain Markers	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.	Increases awareness of the storm drain system to citizens and to those installing markers. 116 storm drain makers were placed during this reporting period.
Bacteria	1.11	Educational Event	Hold an interactive educational event that promotes stormwater BMPs.	Event brings awareness to stormwater issues and reaches hundreds of residents in one day.
Bacteria	1.19	Illegal Dumping Hotline	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10)	City staffs are made aware of polluted areas that they may have otherwise missed.
Bacteria	2.1	GIS MS4 Database	Maintain an updated map of the locations of all outfalls and the names of all receiving US surface waters.	Map used to trace illicit discharges to waterbodies. Allows for effective remediation of spills, illicit discharges, and SSOs.
Bacteria	2.2	Priority Areas	Update priority areas within the city likely to have an illicit discharge	Areas within the city that are likely to have an illicit discharge are identified so that monitoring efforts in these areas may increase.
Bacteria	2.3	Dry Weather Field Screening	Develop and implement a program to detect and address non-stormwater discharges, including illegal dumping, into the storm sewer system.	The City has 404 outfalls that are within the priority area and meet the criteria for a dry weather screening inspection. The City is to inspect 1/3 of the priority area during the permit term (Year 1-5). City Revised the dry weather screening program. The City has 404 outfalls that are within the priority area and meet the criteria for a dry weather screening inspection. The City is to inspect 1/3 of the priority area during the permit term (Year 1-5). In 2019 and 2020, 71 and 104 outfalls were screened for illicit discharges, respectively.
Bacteria	2.4	Complaint Response and Database	Investigate all citizen complaints and maintain a database of all	Tracks spills and creates historical information for assessment. Creates response

			citizen complaints regarding illicit discharges. All citizen complaints are to be investigated.	mechanism. Incidents such as spills, illicit discharges, or sanitary sewer overflows are mitigated. Eight Spills (8) and 6 (SSOs) were investigated and resolved in 2020.
Bacteria	2.5	Illicit Discharge/Spill Procedures	Develop and maintain procedures for responding to illicit discharges and spills.	Standard operating procedures used for responding to spills. Stormwater pollution incidents are mitigated.
Bacteria	2.6	Source Investigation and Elimination	Identify and locate the source of illicit discharges and/or spills. Require responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spill.	Investigation and elimination of polluting sources.
Bacteria	2.7	Spill response	Coordinate with the Fire Department on emergency spill response, using a private contractor for clean-up and remediation.	Abates pollutants in our waterbodies.
Bacteria	2.9	Building Project Review Process	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.	Mandates compliance prior to operation.
Bacteria	2.10	Illegal Dumping Hotline and Clean up	Encourage citizens to report illicit discharges or violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 1.26) Cleaning up debris in a timely fashion reduces the amount of illegal dumping. The City investigates all illegal dumping and ensures the removal of debris	City staffs are made aware of polluted areas that they may have otherwise missed. Clean-up reduces potential pollutants. The City responded to approximately 73 illegal dumping complaints in 2020.
Bacteria	2.11	Streams Sampling	Assess water quality of streams through monthly stream monitoring of 10 sites within or near the city limits. Investigate	Atypical results are investigated and mitigated. Pollutants are reduced to the MEP.

			atypical results for an illicit discharge.	
Bacteria	2.12	SSO Response	Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.	Ensures the protection of our waterways following an SSO.
Bacteria	2.13	IDDE Education	Inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	Stormwater BMP posters, brochures, and videos are used to target the appropriate audience.
Bacteria	2.14	Educating and Training City Field Staff	Ensure City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training (see also BMP 5.7).	Ensures City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training.
Bacteria	2.16	Litter Collection	Keeping the major thoroughfares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	The Litter Crew collected 79.68 tons of litter 2020. By preventing litter from remaining in the environment, both surface and groundwater are protected from potential contamination associated with it.
Bacteria	2.17	Beach Sampling Program	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water.	Reduces health risks to citizens. Pollutants are reduced to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels.
Bacteria	2.18	On Site Sewage System Permitting	On site sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and abated.	Failing septic systems are identified and abated. In 2020, zero OSSF complaint was received and 3 permits were issued.
Bacteria	2.19	Auto Inspection Program	Inspect auto-related businesses for water quality issues on an annual basis.	Enforcement and education encourages businesses to prevent pollutants from coming into contact with stormwater.

Bacteria	2.20	Grease Trap Pumping	In order to reduce the number of illicit discharges, ensure grease traps are being pumped as required.	Pumping helps to reduce the number of illicit discharges. During 2020, over 90% of food services were inspected. In 2020, Grand Prairie received 3,475 trip tickets for grease or sand traps pump outs. There were 3,517 events due during this period. This is a compliance rate of 98.8%. Forty two (42) charges were issued to health permit holders for not pumping grease traps
Bacteria	2.21	Horse Stables	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.	Ensures private horse stables are maintained properly so that sources of bacteria are reduced. In 2020, seventeen (17) horse stables were inspected.
Bacteria	2.22	Joe Pool Lake (JPL) Watershed Protection Plan	Collaborate with Trinity River Authority to establish an analytical framework for managing water quality and produce plans of action to address water quality issues within Joe Pool Lake Watershed.	After the development of watershed protection plan and implementing actions to address water quality issues within Joe Pool Lake Watershed will eventually reduce pollutants.
Bacteria	2.23	Sanitary Sewer Systems	Ensure sanitary sewers are functioning properly in order to reduce overflows.	Maintenance of sanitary sewer systems and lift stations reduces SSOs.
Bacteria	5.1	Storm Sewer Operation and Maintenance	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	Maintenance includes cleaning, clearing, seeding, and overall maintenance of the storm sewer systems. In 2020, the City responded to 211 complaints and/or maintenance needs.
Bacteria	5.2	MS4 Waste Disposal	Maintain standard operating procedure for the disposal of waste removed from the MS4.	Follow a standard operating procedure to clear and dispose of waste collected from the MS4.
Bacteria	5.3	DCFCD Storm Sewer and Drainage Maintenance	Conduct maintenance and improvements for the drainage components owned by the Dallas	As situations arise in the DCFCD that require maintenance or waste removal, this BMP helps to reduce the discharge of pollutants.

			County Flood Control District #1 when noted through written complaints and through field observations.	
Bacteria	5.4	MS4 Waste Disposal for DCFCD	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	Follow a standard operating procedure to clear and dispose of waste collected from the MS4 located in DCFCD.
Bacteria	5.5	List Potential Problem Areas for Inspection	Develop a list of potential problem areas, then identify and prioritize areas for increased inspection (i.e. illegal dumping).	Inspecting the major problem areas with illegal dumping issues and reduces the amounts of illegal dumping.
Bacteria	5.6	Street Operation and Maintenance	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.	Street sweeping and litter crews remove contaminants thereby reducing the associated risk to the environment. In 2020, street sweeping operations collected 135.93 tons of litter and the litter crew collected 79.68 tons of litter
Bacteria	5.7	Educating and Training City Field Staff	Inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices (see also BMP 2.14).	Ensures City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training.

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

Benchmark	*BMP#*	*BMP Name*	*BMP Description*	*Comments*
Bacteria	1.1	HHW Program	Reduction of the unauthorized disposal of household hazardous waste will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste. Encourage citizens to dispose of HHW properly by participating in City hosted events	Encourages the proper disposal of hazardous waste and informs citizens of when and where they can dispose of waste. Actively allows citizens to participate and dispose of HHW properly. The Environmental Quality Division held six (6) Household Hazardous Waste events during the reporting period During this time 901 households participated in the events. Approximately 58,510 pounds of hazardous waste products were recycled.
Bacteria	1.2	Pet Waste	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach.	Give-a-ways, PSAs, and brochures target the appropriate audience and encourage proper disposal of pet waste.
Bacteria	1.4	Commercial/Industrial Floatables Education	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to selected facilities during routine inspections.	Educational materials discuss methods for reducing floatables. Reaches the appropriate audience as brochures are distributed during inspections, classes, workshops, and at the Development Center.

Bacteria	1.6	School Curriculum	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.	This program emphasizes the importance of stormwater pollution controls to young students who in turn may relay this information to their older parents/guardians.
Bacteria	1.7	Pipeline Newsletter	Raise awareness of stormwater issues for citizens by placing articles in the City's newsletter.	This is the most widely read city publication. Fourteen (14) stormwater related articles were published and distributed during this reporting period.
Bacteria	1.8	Multimedia Education	Promote watershed awareness for citizens, City staff, and visitors using multiple types of media, including a website, City's cable channel, and Facebook.	Promotes watershed awareness to Grand Prairie citizens through Grand Prairie TV, the City's website, and Facebook.
Bacteria	1.9	Non-English	Ensure educational materials are translated into Spanish, as needed.	There is a high population of only Spanish speaking citizens in Grand Prairie.
Bacteria	1.10	Drain Markers	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.	Increases awareness of the storm drain system to citizens and to those installing markers. 116 storm drain makers were placed during this reporting period.
Bacteria	1.11	Educational Event	Hold an interactive educational event that promotes stormwater BMPs.	Event brings awareness to stormwater issues and reaches hundreds of residents in one day.
Bacteria	1.19	Illegal Dumping Hotline	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10)	City staffs are made aware of polluted areas that they may have otherwise missed. 73 investigation were conducted in 2020
Bacteria	2.1	GIS MS4 Database	Maintain an updated map of the locations of all outfalls and the names of all receiving US surface waters.	Map used to trace illicit discharges to waterbodies. Allows for effective remediation of spills, illicit discharges, and SSOs.
Bacteria	2.3	Dry Weather Field Screening	Develop and implement a program to detect and address non-stormwater discharges, including illegal dumping, into the storm sewer system.	The City has 404 outfalls that are within the priority area and meet the criteria for a dry weather screening inspection. The City is to inspect 1/3 of the priority area during the permit term (Year 1-5). City Revised the dry weather screening program. The City has 404 outfalls that are within the priority area and meet the criteria for a dry weather screening inspection. The City is to inspect 1/3 of the priority area during the permit term (Year 1- 5). In 2019 and 2020, 71 and 104

				outfalls were screened for illicit discharges, respectively.
Bacteria	2.4	Complaint response and database	All citizen complaints are to be investigated.	Creates response mechanism. Incidents such as spills, illicit discharges, or sanitary sewer overflows are mitigated. Eight (8) spills and six (6) SSOs were investigated and resolved in 2020.
Bacteria	2.5	Illicit Discharge/Spill Procedures	Develop and maintain procedures for responding to illicit discharges and spills.	Standard operating procedures used for responding to spills. Stormwater pollution incidents are mitigated.
Bacteria	2.6	Source Investigation and Elimination	Identify and locate the source of illicit discharges and/or spills. Require responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spill.	Investigation and elimination of polluting sources.
Bacteria	2.7	Spill response	Coordinate with the Fire Department on emergency spill response, using a private contractor for clean-up and remediation.	Abates pollutants in our waterbodies.
Bacteria	2.9	Building Project Review Process	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.	Mandates compliance prior to operation.
Bacteria	2.10	Illegal Dumping Hotline and Clean up	Encourage citizens to report illicit discharges or violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 1.26) Cleaning up debris in a timely fashion reduces the amount of illegal dumping. The City investigates all illegal dumping and ensures the removal of debris.	City staffs are made aware of polluted areas that they may have otherwise missed. Clean-up reduces potential pollutants. The City responded to approximately 73 illegal dumping complaints in 2020.
Bacteria	2.11	Streams Sampling	Assess water quality of streams through monthly stream monitoring of 10 sites within or near the city limits. Investigate atypical results for an illicit discharge.	Atypical results are investigated and mitigated. Pollutants are reduced to the MEP.
Bacteria	2.12	SSO Response	Follow the plan created and implemented for the response of Water Utilities and	Ensures the protection of our waterways following an SSO.

			Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.	
Bacteria	2.13	IDDE Education	Inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	Stormwater BMP posters, brochures, and videos are used to target the appropriate audience.
Bacteria	2.14	Educating and Training City Field Staff	Ensure City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training (see also BMP 5.7).	Ensures City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training.
Bacteria	2.16	Litter Collection	Keeping the major thoroughfares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	The Litter Crew collected 79.68 tons of litter 2020. By preventing litter from remaining in the environment, both surface and groundwater are protected from potential contamination associated with it.
Bacteria	2.17	Beach Sampling Program	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water.	Reduces health risks to citizens. Pollutants are reduced to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels.
Bacteria	2.18	On Site Sewage System Permitting	Onsite sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and abated.	Failing septic systems are identified and abated. In 2019, zero OSSF complaint was received and 3 permits were issued.
Bacteria	2.19	Auto Inspection Program	Inspect auto-related businesses for water quality issues on an annual basis.	Enforcement and education encourages businesses to prevent pollutants from coming into contact with stormwater.
Bacteria	2.20	Grease Trap Pumping	In order to reduce the number of illicit discharges, ensure grease traps are being pumped as required.	Pumping helps to reduce the number of illicit discharges. During 2020, over 90% of food services were inspected. In 2020, Grand Prairie received 3,475 trip tickets for grease or sand traps pump outs. There were 3,517 events due during this period. This is a compliance rate of 98.8%. Forty Two (42)

				charges were issued to health permit holders for not pumping grease traps
Bacteria	2.21	Horse Stables	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.	Ensures private horse stables are maintained properly so that sources of bacteria are reduced.
Bacteria	2.22	Joe Pool Lake (JPL) Watershed Protection Plan	Collaborate with Trinity River Authority to establish an analytical framework for managing water quality and produce plans of action to address water quality issues within Joe Pool Lake Watershed.	After the development of watershed protection plan and implementing actions to address water quality issues within Joe Pool Lake Watershed will eventually reduce pollutants.
Bacteria	2.23	Sanitary Sewer Systems	Ensure sanitary sewers are functioning properly in order to reduce overflows.	Maintenance of sanitary sewer systems and lift stations reduces SSOs.
Bacteria	5.1	Storm Sewer Operation and Maintenance	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	Maintenance includes cleaning, clearing, seeding, and overall maintenance of the storm sewer systems. In 2020, the City responded to 211 complaints and/or maintenance needs.
Bacteria	5.2	MS4 Waste Disposal	Maintain standard operating procedure for the disposal of waste removed from the MS4.	Follow a standard operating procedure to clear and dispose of waste collected from the MS4.
Bacteria	5.3	DCFCD Storm Sewer and Drainage Maintenance	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	As situations arise in the DCFCD that require maintenance or waste removal, this BMP helps to reduce the discharge of pollutants.
Bacteria	5.5	List Potential Problem Areas for Inspection	Develop a list of potential problem areas, then identify and prioritize areas for increased inspection (i.e. illegal dumping).	Inspecting the major problem areas with illegal dumping issues and reduces the amounts of illegal dumping.
Bacteria	5.4	MS4 Waste Disposal for DCFCD	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	Follow a standard operating procedure to clear and dispose of waste collected from the MS4 located in DCFCD.
Bacteria	5.6	Street Operation and Maintenance	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.	Street sweeping and litter crews remove contaminants thereby reducing the associated risk to the environment.

				In 2020, street sweeping operations collected 135.93 tons of litter and the litter crew collected 79.68 tons of litter
Bacteria	5.7	Educating and Training City Field Staff	Inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices (see also BMP 2.14).	Ensures City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training.

7. Describe progress in achieving the benchmark:

Benchmark Parameter	***BMP#***	***BMP Name***	***BMP Description***	***Comments***
Bacteria	1.2-1.11, 1.19, 2.14, 5.7	Multiple BMPs	Educational opportunities	In addition to BMPs 1.6, 1.7, 1.10, and 1.1 listed below, the City performed 8 other BMPs that addressed bacteria through educational opportunities.
Bacteria	1.6	School Curriculum	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.	This program emphasizes the importance of stormwater pollution controls to young students who in turn may relay this information to their older parents/guardians. GPISD did not request to purchase additional Major Rivers or similar curriculum in 2020.
Bacteria	1.7	Pipeline Newsletter	Raise awareness of stormwater issues for citizens by placing articles in the water utility bill insert.	This is the most widely read city publication. Fourteen (14) stormwater related articles were published and distributed during this reporting period.
Bacteria	1.10	Drain Markers	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.	Increases awareness of the storm drain system to citizens and to those installing markers. 116 storm drain makers were placed during this reporting period.
Bacteria	2.4	Complaint response and database	All citizen complaints are to be investigated.	Creates response mechanism. Incidents such as spills, illicit discharges, or sanitary sewer

				overflows are mitigated. Eight (8) spills and six (6) SSOs were investigated and resolved in 2020.
Bacteria	2.10	Illegal Dumping Hotline and Clean-up	Cleaning up debris in a timely fashion reduces the amount of illegal dumping. The City investigates all illegal dumping and ensures the removal of debris.	Clean-up reduces potential pollutants. The City responded to approximately 73 illegal dumping complaints in 2020.
Bacteria	2.16	Litter Collection	Keeping the major thoroughfares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	The Litter Crew collected 79.68 tons of litter 2020. By preventing litter from remaining in the environment, both surface and groundwater are protected from potential contamination associated with it.
Bacteria	2.18	On Site Sewage System Permitting	Onsite sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and abated.	Failing septic systems are identified and abated In 2019, zero OSSF complaint was received and 3 permits were issued.
Bacteria	2.20	Grease Trap Pumping	In order to reduce the number of illicit discharges, ensure grease traps are being pumped as required.	Pumping helps to reduce the number of illicit discharges. During 2020, over 90% of food services were inspected. In 2020, Grand Prairie received 3,475 trip tickets for grease or sand traps pump outs. There were 3,517 events due during this period. This is a compliance rate of 98.8%. Forty Two (42) charges were issued to health permit holders for not pumping grease traps
Bacteria	2.22	Joe Pool Lake (JPL) Watershed Protection Plan	Collaborate with Trinity River Authority to establish an analytical framework for	After the development of watershed protection plan and implementing actions to address

			managing water quality and produce plans of action to address water quality issues within Joe Pool Lake Watershed.	water quality issues within Joe Pool Lake Watershed eventually pollutants will be reduced.
Bacteria	2.21	Horse Stables	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.	In 2020, seventeen horse stables were inspected to ensure proper maintenance so that sources of bacteria are reduced.
Bacteria	5.1	Storm Sewer Operation and Maintenance	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	Maintenance includes cleaning, clearing, seeding, and overall maintenance of the storm sewer systems. In 2020, the City responded to 211 complaints and/or maintenance needs.
Bacteria	5.5	List Potential Problem Areas for Inspection	Develop a list of potential problem areas, then identify and prioritize areas for increased inspection (i.e. illegal dumping).	Inspecting the major problem areas with illegal dumping issues and reduces the amounts of illegal dumping. Five (5) major problem areas were identified in Year 2. Monthly inspection were made.
Bacteria	5.6	Street Operation and Maintenance	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.	Street sweeping and litter crews remove contaminants thereby reducing the associated risk to the environment. In 2020, street sweeping operations collected 135.93 tons of litter and the litter crew collected 79.68 tons of litter.

Bacteria	1.1	HHW Program	Encourage citizens to dispose of HHW properly by participating in City hosted events	Actively allows citizens to participate and dispose of HHW properly. The Environmental Quality Division held six (6) Household Hazardous Waste events during the reporting period. During this time 901 households participated in the events .Approximately 58,510 pounds of hazardous waste products were recycled.

E. Stormwater Activities

Describe any stormwater activities the MS4 operator has planned for the next reporting year.

The following summary of MCMs includes the BMPs for each MCM, measurable goals, responsible party, target date, and activities completed for each BMP. The listed target date for each measurable goal is defined as the scheduled completion date for that goal where Year 1 completion date is December 31, 2019, Year 2 completion date is December 31, 2020, Year 3 completion date is December 31, 2021, Year 4 completion date is December 31, 2022, and Year 5 completion date is December 31, 2023. BMPs with more than one year listed will be completed for each year listed. All activities planned for Year 3 (the next reporting year) are described by the Target Date.

MCM(s)	BMP	BMP Description	Stormwater Activity (Measurable Goals)	Target Date
1: Public Education, Outreach, and Involvement	1.1 Household Hazardous Waste (HHW) Program *(TMDL)*	Reduction of the unauthorized disposal of household hazardous waste will be promoted through the distribution of educational materials and through HHW events that provide city residents the opportunity to dispose of household hazardous waste.	1. Distribute 100 pamphlet and/or wheel distribution at the Development Center	Years 1 – 5
			2. Discuss hazards of household hazardous waste at least 1 time per year in a City newsletter	Years 1 – 5
			3. Handout HHW magnets to at least 100 citizens per year	Years 1 – 5

			5. Annually hold at least 1 HHW collection event in Grand Prairie	Years 1-5
1: Public Education, Outreach, and Involvement	1.2 Pet Waste Management Education and Involvement *(TMDL)*	Promote awareness of the hazards to health and the environment from pet waste through several forms of outreach.	1. Annually distribute a minimum of 200 informative brochures at the Development Center and/or at educational events	Years 1 – 5
			2. Install 2 pet waste collection dispensers at any future pet park to promote proper owner disposal of pet waste	Year 4
1: Public Education, Outreach, and Involvement	1.3 Environmental Compliance Workshops *(TMDL)*	Pollution Prevention (P2) measure concepts are promoted to industries to reduce waste generated and potential sources of stormwater pollution.	1.Encourage P2 measures through semi-annual environmental compliance workshops and provide recognitions when appropriate.	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.4 Commercial and Industrial Activity Education on the Impacts of Floatables *(TMDL)*	Awareness of and responsibility for floatables control and responsibility of commercial and industrial businesses will be integrated into existing activities by distributing information to selected facilities during routine inspections.	1. Distribute informative brochures to 50% of the industrial facilities and food permit holders inspected each calendar year	Years 1 – 5
			2. 80% of the informative brochures will be available on the City website	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.5 Informational Material for Automotive Related Businesses(ARB) *(TMDL)*	Awareness of the impact of the automotive sector's pollutants on water quality will be integrated into existing activities through the distribution of information on BMPs and use of BMPs for automotive activities during routine Certificate of Occupancy inspections.	1. Distribute automotive and stormwater quality informative material during Certificate of Occupancy inspections	Years 1 – 5
			3. Create mailing list of	Years 1- 5

			ARB and industrial facilities and electronically mail out annually informative material regarding stormwater BMPs to 100% of the ARB mailing list.	
			4. Create and distribute a water quality and code enforcement "AutoWatch" publication featuring environmental issues specific to automotive related businesses to at least 300 businesses annually.	Years 1-5
1: Public Education, Outreach, and Involvement	1.6 Funding for Elementary School Curriculum on Stormwater Quality *(TMDL)*	Education on stormwater quality and pollution prevention will be provided as needed to elementary schools in Grand Prairie ISD through the purchase of curriculum.	1. Respond to 100% of the Grand Prairie ISD requests and purchase Major Rivers© or similar curriculum	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.7 Pipeline Newsletter *(TMDL)*	Raise awareness of stormwater issues for citizens by placing articles in the City's newsletter.	1. Annually distribute information about stormwater issues in the city newsletter "Pipeline" to 80% of the City's customers	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.8 Multimedia Stormwater Public Education *(TMDL)*	Promote watershed awareness for citizens, City staff, and visitors using multiple types of media, including a website, City's cable channel, and Facebook.	1. Have stormwater quality public service announcement on GPTV at least once per year	Years 1 – 5
			2. Post stormwater quality message on Facebook at least twice per year	Years 1 – 5
			3. Provide and maintain Stormwater Pollution Prevention information on the City's website	Years 1 – 5

			4. Require 90% of the new employee to view stormwater related video.	Years 1 – 5
			5. Annually review the number views of *Find Your Watershed* hyperlink on the City's website, where citizens can enter their address and find out their watershed.	Years 1-5
1: Public Education, Outreach, and Involvement	1.9 Tailor Outreach Programs to non-English languages *(TMDL)*	Provide educational materials are translated into Spanish.	1. Provide 50% of educational materials in Spanish.	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.10 Storm Drain Markers *(TMDL)*	Install storm drain markers "Protect Our Water, Don't Dump" to promote awareness of the storm drain system.	1. Purchase and install 100 of the City's unmarked storm drain curb inlets annually. Volunteers will be enlisted to help with the installation, when available	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.11 Public Education Event *(TMDL)*	Hold an educational event that demonstrates the effects of various residential and commercial pollutants on stormwater quality and promotes stormwater BMPs.	1.Annually hold a public education event that focuses on education through involvement and promotional giveaways	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.12 Clean Rivers Program	Stream monitoring information is made available for review on the Clean Rivers Program website. Access to this site will be provided through the City's website.	1. Annually review the number of times the link for Clean Rivers Program was viewed by visitors on the City's website	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.13 Don't Bag It! Program	Encourage participants to mulch grass and yard clippings as a compost instead of application of commercial fertilizers.	1. Distribute public education materials about the program at 3 venues located throughout the city	Years 1 – 5
			2. Provide information about the program in the city	Years 1 – 5

			newsletter to 80% of the City's water customers	
1: Public Education, Outreach, and Involvement	1.14 H_2O Line	Produce and distribute a newsletter to selected industrial sectors featuring stormwater topics.	1. Produce and distribute a newsletter promoting pollution prevention awareness to at least 200 businesses annually	Years 1–5
1: Public Education, Outreach, and Involvement	1.15 Educational Material for Construction Site Personnel	Provide educational materials on BMPs and erosion control for construction site personnel.	1. Distribute 200 construction BMPs and erosion control brochures at the Development Center and/or provide a link to the educational material on the City's website	Years 1-5
1: Public Education, Outreach, and Involvement	1.16 Public Notice in Development of SWMP	Comply with federal, state, and local public notice requirements when implementing the SWMP.	1. Make the SWMP available for comments on the City website (https://www.gptx.org/city-government/city-departments/environmental-services/environmental-quality/stormwater/storm-water-management-program), at the Environmental Services Department office, and at the Main Grand Prairie Library. Annually record the number of comments received.	Years 1 – 5
			2. Publish notice of the executive director's preliminary decision on the NOI and SWMP and adhere to 30 day public comment period	Year 1

1: Public Education, Outreach, and Involvement	1.17 Texas Stream Team Volunteer Stream Monitoring Program	Involve volunteers in the stream monitoring process through Texas Stream Team.	1. Respond to 100% Texas Stream Team training request and hold training sessions for volunteers or corporations.	Years 2 – 5
1: Public Education, Outreach, and Involvement	1.18 Master Composter Program	Involve the public in lawn and garden compost waste training that will encourage reductions in fertilizer and pesticide use. Participants receive hands-on training and can become a Certified Master Composter.	1. Conduct at least 1 Master Composter class per year	Years 1 – 5
			2. Distribute yard care educational materials to all class participants	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.19 Illegal Dumping Hotline *(TMDL)*	Encourage citizens to report violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 2.10)	1. Publish one Illegal Dumping Hotline available on the City's Code Enforcement website	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.20 Stakeholder Meetings and Task Force Groups	Keep citizens and other stakeholders involved in the decision process for managing the Stormwater Management Program and share information to help develop stormwater programs by participating in stormwater related committees or task force groups through NCTCOG.	1. Hold, or participate in through NCTCOG, one stakeholder meeting per year	Years 1 – 5
			1. Sit on at least one stormwater committee or task force group annually	Year1- 5
1: Public Education, Outreach, and Involvement	1.21 Neighborhood Outreach Program	Program encourages the involvement of neighborhood associations for the purpose of educating them about stormwater related issues.	1. Annually coordinate a neighborhood project, such as stream/wetland cleanups, tree planting projects or awareness events	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.22 School Outreach Programs	Partnership between the City's Keep Grand Prairie Beautiful Program and a local school district that encourages student and campus participation.	1. Annually facilitate at least 1 activity for the campus programs	Years 1 – 5
1: Public Education, Outreach, and Involvement	1.23 Annual Environmental Compliance Achievement Awards	Encourage industrial facilities to obtain industrial permit as required by the SIC code.	1. Annually recognize facilities who achieve 100% compliance.	Years 1- 5

MCM(s)	BMP	BMP Description	Stormwater Activity (Measurable Goals)	Target Date
2: Illicit Discharge Detection and Elimination	2.1 Maintain a GIS Database of the MS4 *(TMDL)*	Maintain an updated map of the locations of all outfalls location of MS4 owned or operated facilities, stormwater controls and the names of all receiving US surface waters.	1. Update drainage system map, including outfalls, using as builts, aerial images, and/or though field verification once during the permit year.	Year 3
2: Illicit Discharge Detection and Elimination	2.2 Priority Areas *(TMDL)*	Update priority areas within the city likely to have an illicit discharge	2. Update priority areas map	Year 2
2: Illicit Discharge Detection and Elimination	2.3 Dry Weather Field Screening *(TMDL)*	Develop and implement a program to detect and address non-stormwater discharges, including illegal dumping, into the storm sewer system.	1. Revise dry weather field screening program	Year 2
			2.Conduct dry weather screening of 1/3 of priority areas as identified in BMP 2.2	Years 1-5
2: Illicit Discharge Detection and Elimination	2.4 Complaint Response and Database *(TMDL)*	Investigate all citizen complaints and maintain a database of all citizen complaints regarding illicit discharges.	1. Document 100% of citizen complaint using the complaint database	Years 1 – 5
			2. Maintain a response of 80% within 5 days	Years 1 – 5
2: Illicit	2.5 Illicit	Develop and maintain procedures for responding	1. Respond to 100% spill	Years 1 – 5

Discharge Detection and Elimination	Discharge and Spill Procedures *(TMDL)*	to illicit discharges and spills.	complaints following standard operating procedures.	
			2. Respond to 100% of the illicit discharge complaints.	Years 1 – 5
2: Illicit Discharge Detection and Elimination	2.6 Source Investigation and Elimination *(TMDL)*	Identify and locate the source of illicit discharges and/or spills. Require responsible parties to perform all necessary corrective actions to eliminate the illicit discharge and/or spill.	1. Conduct source investigations of 100% of illicit discharge to identify and locate illicit discharges as soon as practicable and document all observations, field and lab measurements, and follow up investigation reports.	Years 1 – 5
			2. Report to the TCEQ 100% of illicit discharges/spills believed to be an immediate threat to human health or the environment	Years 1 – 5
			3. Notify 100% of the responsible party and require the responsible party to take all corrective actions necessary	Years 1 – 5
			4. Notify 100% of all adjacent permitted MS4 operator or the TCEQ if an illicit discharge/spill extends outside of Grand Prairie's boundary	Years 1 – 5
			6. Perform dry weather field screening during 100% of illicit discharges follow-up investigation to ensure discharge has been eliminated	Years 2 – 5

2: Illicit Discharge Detection and Elimination	2.7 Spill Response *(TMDL)*	Coordinate with the Fire Department on emergency spill response.	1. Respond to 100% of the emergency spill call. Conduct six (6) emergency responder meetings in a year for continued training.	Years 1 – 5
2: Illicit Discharge Detection and Elimination	2.8 Structural control for floatables	Reduce discharge of floatables (example litter or other human generated solid refuse) in the MS4.	1. Identify two locations in MS4 to install structural control	Year 2
			2. Identify the appropriate structural control to reduce discharge of floatables in the previously identified locations	Year 3
			3. Install the structural controls	Year 4
			4. Collect floatable materials from the structural control twice a year.	Year 5
			5. Record 100% of the amount of material collected by weight, volume or other practical means	Year 5
2: Illicit Discharge Detection and Elimination	2.9 Building Project Review Process *(TMDL)*	Environmental Specialist reviews and inspects for any illicit connections or water quality hazards during the building project review process.	1. Review at least 80% of new commercial construction plans for water quality hazards	Years 1 – 5
			2. Inspect at least 80% of Certificates of Occupancy that have a potential to impact stormwater	
2: Illicit Discharge Detection and Elimination	2.10 Illegal Dumping Hotline and Clean-up *(TMDL)*	Encourage citizens to report illicit discharges or violators of dumping by participating in an inter-local response to an illegal dumping hotline (see also BMP 1.26)	1. Publish one Illegal Dumping Hotline available on the City's Code Enforcement and	Years 1 – 5

			Environmental Services website	
			2. Annually publish at least one article with information on illicit discharges and contacts for reporting illicit discharges in the City's Newsletter "Pipeline". Pipeline is mailed to the citizens with the water bill .	Years 1 – 5
			3. Remove 80% of illegally dumped debris at least 30 days from the day the violation was reported	Years 1 – 5
2: Illicit Discharge Detection and Elimination	2.11 Stream Sampling *(TMDL)*	Assess water quality of streams through monthly stream monitoring of 10 sites within or near the city limits. Investigate atypical results for an illicit discharge.	1. Monitor and investigate 10 streams for atypical stream results on a monthly basis	Years 1 – 5
2: Illicit Discharge Detection and Elimination	2.12 Sanitary Sewer Overflow Response Plan *(TMDL)*	Follow the plan created and implemented for the response of Water Utilities and Environmental Services to SSOs. ESD's response ensures the protection of the waterways through professional advice and field testing.	1. Water Utilities and Environmental Services to respond to 80% of the reported SSOs.	Years 1 – 5
2: Illicit Discharge Detection and Elimination	2.13 Illicit Discharge Awareness Campaign for Businesses and General Public *(TMDL)*	Inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.	1. Educate the general public and 25% of potential polluting businesses annually through the use of brochures, videos, or other methods	Year 1 – 5
2: Illicit Discharge Detection and Elimination	2.14 Educating and Training City Field Staff *(TMDL)*	Ensure City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training (see also BMP 5.7).	1. Disseminate IDDE training video to 80% of the new field staff and keep materials and	Year 1-5

			attendance lists at the Environmental Quality Division office	
			2. Annually provide 250 vehicle decals with contact information in the event staff observes an illicit discharge	Years 1-5
2: Illicit Discharge Detection and Elimination	2.15 Stormwater Ordinance *(TMDL)*	Review the stormwater ordinance for necessary revisions and update as needed. The ordinance effectively prohibits non-stormwater discharges into the storm sewer system and implements enforcement procedures and actions. The ordinance also includes a description of local controls and conditions established for common and incidental non-stormwater discharges not considered illicit.	1. Conduct one review and update the stormwater ordinance and prepare for council approval	Year 3
			2. If revised, implement revised ordinance once during the permit term.	Year 3
2: Illicit Discharge Detection and Elimination	2.16 Litter Collection Program *(TMDL)*	Keeping the major thoroughfares clean and free of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	1. Remove litter from major thoroughfares weekly.	Years 1 – 5
2: Illicit Discharge Detection and Elimination	2.17 Beach Sampling Program *(TMDL)*	Help reduce health risk to the visitors of Joe Pool Lake swim beaches by minimizing the public's exposure to diseases in the water.	1. Follow an SOP for beach sampling once a month during the summer or swimming months	Years 1 – 5
2: Illicit Discharge Detection and Elimination	2.18 On Site Sewage System Permitting *(TMDL)*	On site sewage systems are regulated through an ordinance and permitted by the City. Failing septic systems are identified and abated.	1. Keep record of 100% of the permitted sewage systems	Years 1 – 5
			2. Respond to onsite sewage systems within 10 days of receiving complaint and enforce as necessary	Years 1 – 5
2: Illicit	2.19 Auto	Inspect auto-related businesses for water quality	1. Inspect at least 80% of	Years 1 – 5

Discharge Detection and Elimination	Inspection Program *(TMDL)*	issues on an annual basis.	auto-related businesses annually	
2: Illicit Discharge Detection and Elimination	2.20 Grease Trap Pumping *(TMDL)*	In order to reduce the number of illicit discharges, ensure grease traps are being pumped as required.	1. Inspect at least 80% of the food service businesses to ensure frequency of pumping requirements are met.	Years 1-5
2: Illicit Discharge Detection and Elimination	2.21 Horse Stables *(TMDL)*	Ensure private horse stables are maintained properly so that sources of bacteria are reduced.	1. Perform annual inspections of 90% of the private horse stables and ensure good housekeeping practices are implemented	Year 1 - 5
			2. Prepare and distribute horse manure management guidelines for horse stables during inspections.	Years 1- 5
2: Illicit Discharge Detection and Elimination	2.22 Joe Pool Lake (JPL) Watershed Protection Plan *(TMDL)*	Collaborate with Trinity River Authority to establish an analytical framework for managing water quality and produce plans of action to address water quality issues within Joe Pool Lake Watershed.	1.Attend 90% of scheduled JPL watershed protection plan meetings to develop monitoring strategy, selection of appropriate and applicable methods for quantification of load reduction targets.	Years 2-5
			2. Apply at least one best management practices (BMP) identified in the Protection Plan throughout the watershed to reach these load reduction targets.	Year 5
2: Illicit Discharge Detection and Elimination	2.23 Sanitary Sewer Systems *(TMDL)*	Ensure sanitary sewers are functioning properly in order to reduce overflows.	1. Make 80% of the necessary improvements to sanitary sewers and lift stations.	Years 1-5
			2. Ensure 100% of overflows are reported in compliance with state requirements	Years 1-5

MCM (s)	BMP	BMP Description	Stormwater Activity (Measurable Goals)	Target Date
3: Construction Site Stormwater Runoff Control	3.1 Construction Plan Review	Conduct plan reviews for construction projects to evaluate temporary erosion and sediment control measures and BMPs in accordance with the TPDES Construction General Permit, local ordinances regulating stormwater discharges from construction activities, and all other applicable state and federal stormwater quality regulations.	1. Review 100% of plan submittals for sites with an area of one acre or more or part of a larger common plan of development of one acre or more prior to start of construction. 2.Maintain one copy of final plan review documentation for 100% of plan submittals.	Years 1-5

		Maintain written procedures for City review of construction plans, including provisions for training new plan review staff.	2.Conduct one review, and update if necessary, existing procedures for City review of the erosion control plan for potential impacts to stormwater quality by December. 3.Record date of review and 100% of changes to procedures in one memo to file by December.	Year 2
			4.Implement 100% of the updated procedures by the end of the permit term. 5.Maintain one copy of written City Procedures onsite or in SWMP.	Year 3-5

3: Construction Site Stormwater Runoff Control	3.2 Construction Site Inspection and Enforcement	Maintain written procedures for City-led inspections of large and small construction projects, including provisions for training new construction inspectors.	2. Conduct one review, and update if necessary, existing procedures for City-led inspections of large and small construction projects by December. 3. Record date of the review and 100% of changes to procedures in one memo to file by December.	Year 2

			4. Implement 100% of the updated procedures by the end of ther permit term. 5. Maintain one copy of written City procedures onsite or in Stormwater Management Program.	Years 3-5
		Conduct inspections of small and large construction sites within the MS4 according to City procedures and ordinances.	3. Conduct at least one site inspection per month of 100% of construction sites with approved Stormwater Pollution Prevention Plan (sites with an area of 1 acre or more or part of a larger common plan of development of one acre or more) during active construction. 4. Maintain one copy of each completed construction site inspection report.	Years 1-5
		Enforce correction for violations of (City "erosion control" ordinance provisions/TPDES Construction General Permit TXR150000).	1. Conduct follow-up action (i.e. inspection or enforcement) for 100% of sites with observed violations within 10 business days.	

3: Construction Site Stormwater Runoff Control	3.3 Construction Ordinance	Review and update municipal ordinances to ensure compliance with MS4 permit requirements for construction site stormwater runoff control.	2. Record date of review of ordinance and 100% of the necessary changes in one memo to file by December.	Year 2

			3. Update 100% of the Year 2 recommended changes to ordinance language by December. 4. Record 100% of the changes to the ordinances in the annual report within 90 days of the end of the reporting period.	Year 3
			5. Enforce 100% of the updated construction ordinance by the end of permit term.	Years 4-5
3: Construction Site Stormwater Runoff Control	3.4 Construction Site Stormwater Reporting by Public	Facilitate stormwater quality reporting by the public related to discharges from construction site activity.	1. Maintain at least 1 mechanism for the public to submit stormwater quality complaints regarding stormwater discharges from active construction sites. 2. Ensure the stormwater reporting mechanism is publicly accessible at least 95% of the time. 3. Respond to 90% of stormwater quality reports relating to discharges from construction activity within 2 business days; if the confirmed report concerns an immediate threat to human health or the environment, respond within 24 hours.	Years 1-5

		Maintain written procedures for facilitating stormwater quality reporting by the public and responding to reports of construction site stormwater quality concerns.	1. Conduct one review, and update if necessary, existing procedures for facilitating stormwater quality reporting by the public and responding to reports of construction site stormwater quality concerns. 2. Record date of review and 100% of changes to procedures in one memo to file by December.	Year 2
			1. Implement 100% of the updated procedures by the end of the permit term. 2. Maintain one copy of written City procedures onsite or in Stormwater Management Program.	Years 3-5

3: Construction Site Stormwater Runoff Control	3.5 Construction Site Inventory	Maintain one inventory of all TPDES/NPDES permitted active public and private construction sites that result in a total land disturbance of one or more acres or a total land disturbance of less than an acre if part of a larger common plan or development or sale.	1. Add construction sites to inventory within 10 business days of acceptance of SWP3. 2. Remove from inventory within 10 days of final acceptance. 3. Maintain one copy of each Notice of Intent (NOI)/ Construction Site Notice for construction activity received by the City.	Years 1-5
		Maintain written procedures for maintenance of a construction site inventory.	1. Conduct one review, and update if necessary, existing procedures for maintenance of a construction site inventory by December. 2. Record date of review and 100% of changes to procedures in one memo to file by December.	Year 2
			1. Implement 100% of the updated procedures by the end of the permit term. 2. Maintain one copy of written City procedures onsite or in Stormwater Management Program.	Years 3-5

4: Post-Construction Management in New Development and Redevelopment	4.1 Post-Construction Plan Review	Review site plans for post-construction water quality considerations, including considerations for detention and retention facilities.	1. Review 100% of plan submittals for sites with an area of one acre or more or part of a larger common plan of development of one acre or more prior to start of construction. 2. Maintain one copy of final plan review checklist for 100% of plan submittals.	Years 1-5
		Continue to enforce requirements for maintenance agreements for privately-owned structural controls to be filed in the real property records of the county.	1. Review maintenance agreements for 100% of sites with private structural controls. 2. Record 100% of maintenance agreements prior to final acceptance.	
		Maintain written procedures for City review of site plans for post-construction water quality considerations and enforcement of maintenance agreements for privately-owned structural controls.	1. Conduct one review, and update if necessary, existing procedures for post-construction plan review and enforcement of maintenance agreements by December. 2. Record date of review and 100% of the changes to procedures in one memo to file by December.	Year 2

			3. Implement 100% of the updated procedures through the end of the permit term. 4. Maintain one copy of written City procedures onsite or in Stormwater Management Program.	Years 2-5
4: Post-Construction Management in New Development and Redevelopment	4.2 Post-Construction Stormwater Ordinance	Review and update municipal ordinances to ensure compliance with MS4 permit requirements for post-construction stormwater management in development and new development.	1. Conduct one review of Articles 12 and 14 of the Unified Development Code and record date of review and 100% of necessary changes in one memo to file by December.	Year 2
			2. Create and adopt updated post-construction stormwater management criteria by December, as applicable. 3. Record 100% of the changes to the post-construction stormwater management criteria in the annual report within 90 days of the end of the reporting period.	Year 3
			4. Enforce 100% of the updated Articles 12 and 14 of the Unified Development Code by the end of permit term.	Years 4-5

4: Post-Construction Management in New Development and Redevelopment	4.3 Detention Pond Maintenance, Inspection, and Enforcement	Continue maintenance of City-owned detention ponds and continue oversight of maintenance for privately-owned detention ponds according to written procedures.	1. Inspect 20% of City-owned detention ponds by December of each year. 2. For privately-owned detention ponds, require inspection reports from the owner once annually. 3. Document enforcement actions for post-construction requirements by December of each year.	Years 1-5
		Maintain written procedures for detention pond maintenance, including maintenance of City-owned detention ponds and oversight of maintenance for privately-owned detention ponds.	2. Review, and update if necessary, existing procedures for detention pond maintenance by December. 3.Record changes to procedures in one memo to file by December.	Year 2
			1. Operate under updated procedures through the end of the permit term. 2. Maintain one copy of written City procedures onsite or in Stormwater Management Program.	Years 3-5

MCM(s)	BMP	BMP Description	Stormwater Activity (Measurable Goals)	Target Date
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.1 Storm Sewer System Operation and Maintenance for the City of Grand Prairie *(TMDL)*	Implement an O&M program to reduce pollutants in the MS4. Conduct maintenance along the inlets, ditches, pipes, and channels for structural improvements when noted through citizen complaints and through field observations.	1. Use computer maintenance and management system to track 90% of the maintenance and complaint responses	Years 1 –5
			2. Respond to 80% of citizen complaints and input information into City Works Management System	Years 1 –5
			3. Track 90% of the storm sewer and drainage maintenance through City Works Management System	Years 1 – 5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.2 Disposal of Waste Removed from the MS4 for the City of Grand Prairie *(TMDL)*	Maintain standard operating procedure for the disposal of waste removed from the MS4.	Once during the permit term review and update the SOP for waste disposal to ensure compliance with 30 TAC Chapter 330 and 335.	Years 3
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.3 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.1) *(TMDL)*	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	1. Respond to 100% of the written complaints within the District	Years 1 – 5
			2. Annually perform 100% of the maintenance reviews and prepare report	Years 1 – 5
			3. Conduct annual inspection of the district to note needed repairs, deterioration from past years, and make list of priorities. For each area noted state in the annual report what the district's plan is on the repair or monitoring of that area.	Years 1 – 5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.4 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	1. Annually review the SOP for waste disposal	Years 1 – 5

	the City of Grand Prairie – see BMP 5.2) *(TMDL)*			
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.5 List Potential Problem Areas for Inspection *(TMDL)*	Develop a list of potential problem areas, then identify and prioritize areas for at least monthly inspection (i.e. illegal dumping).	2. Identify and prioritize 100% of the problem areas for at least monthly inspection	Year 1-5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.6 Street Operation and Maintenance *(TMDL)*	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of properly to avoid reentry into the MS4.	1. Annually sweep 80% of the business district, thoroughfares and more often on high traffic roads.	Years 1 – 5
			2. In addition to sweeping program, for 80% of the major roads, the City will implement other trash and litter control procedures or Provide inlet protection measures. 3.The City will require that 100% of the non- prohibited materials be disposed of at a Type I landfill	Years 1 – 5

5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.7 Educating and Training City Field Staff *(TMDL)*	Inform or train appropriate employees involved in implementing pollution prevention and good housekeeping practices (see also BMP 2.14).	2.Provide 250 vehicle decals annually with contact information in the event staff observes an illicit discharge.	Years 1-5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.8 Stormwater Management Program Data Tracking	Review and track all City activities related to the Stormwater Management Program.	1. Identify the newly listed impaired segments in annual report and SWMP within 2 years of approval date.	Years 1-5
			2. Create annual report	Years 1 – 5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.9 Contractor Compliance	Ensure contractors performing maintenance on City facilities meet program requirements and are provided oversight.	1. Contractually require 100% of the contractors to comply with stormwater controls, good housekeeping practices, and facility specific stormwater management procedures	Years 1-5
			2. Inspect 10% of the contractors annually to ensure contractors are using appropriate control measures and SOPs	Years 1-5

5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.10 Pollution Prevention for City Operation and Maintenance (O&M) Activities	Develop pollution prevention measures for City O&M activities. Perform inspections to ensure measures are working properly.	2. Inspect pollution prevention measures at 100% of the facilities identified with O&M activities once during the permit term and keep a log of inspections..	Year 2-5
			3. Identify and list 80 % of the possible pollutants of concern from aforementioned O&M activities by the end of the permit term	Year 2-5
			4. Develop and implement pollution prevention measures for 100% of the O&M activities by the end of the permit term.	Years 2 – 5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.11 Structural Control Maintenance	Ensure proper maintenance of structural controls on City owned facilities.	1. Annually inspect structural controls and maintain as needed to ensure effectiveness	Years 1 – 5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.12 Mapping Facilities	Identify the locations of City owned and operated facilities and stormwater controls.	2.Update stormwater controls at 100% of the aforementioned facilities by the end of the permit term.	Year 2-5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.13 Mosquito Management Program	Maintain mosquito management methods that will not result in illicit discharges to the MS4.	1. Follow integrated mosquito management methods 100 % of the time when handling and applying pesticides	Years 1 – 5
			2. Use low toxicity bio-controls for larvae control 100% of the time.	Years 1 – 5
5: Pollution Prevention/Good Housekeeping for	5.14 Facility Inventory	Develop and maintain a facility and stormwater control inventory for City owned and	1. Conduct one review and update 100% of the list of City facilities that have the potential to discharge pollutants into the	Year 1-5

Municipal Operations		operated facilities.	MS4. Record the stormwater controls for each facility by the end of Permit term.	
			2. Record 100% of applicable permit numbers, registration numbers, and authorizations for each facility or control by the end of the permit term.	Years 2-5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.16 Facility Specific SOPs and stromwater controls for High Priority Facilities	Develop facility specific stormwater management SOPs and implement specific stormwater controls to minimize discharge of pollutants into stormwater at high priority facilities identified in BMP 5.15	Once during the rpermit term review and updated SOP for each facility identified in BMP 5.15maintain SOP that will identify BMPs to be installed, implemented, and maintained Include in SOPs (BMP 5.16) stormwater controls for 1) good housekeeping, 2) de-icing and anti-icing material storage, 3) fueling operations and vehicle maintenance, and 4) equipment and vehicle washing	Year 4
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.17 Inspect City Facilities	Inspect City facilities for Best Management Practices.	1. Once during the permit term review and update the inspection form for City facilities.	Year 3
			2.Inspect City facilities identified in BMP 5.14 once during the permit term	Years 2-5
			3. Inspect high priority facilities identified in BMP 5.15 annually	Years 1– 5
			4. Once during the permit term review the SOP describing the frequency of city facility inspections and how they will be conducted.	Year 3
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.18 Pesticide, Herbicide, and Fertilizer Application and Management	Evaluate landscape and pesticide management for City owned and operated areas and ensure proper management techniques are being implemented in order to decrease pollutants to the MS4.	1. Distribute flyer educating 100% of the pesticide, fertilizer, and herbicide applicators and distributors on proper management techniques and ensure 100% of the required certifications and permits are obtained.	Years 1– 5
			2. Require 100% of the City Contractors to include chemical application schedule in landscape and pesticide contracts to minimize discharges of pollutants due to irrigation or expected precipitation.	Years 1 – 5

			3.Properly collect and dispose 100% of unused pesticide, herbicide, and fertilizer.	Years 1 – 5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.19 Evaluation of Water Quality Impacts for City Flood Control Projects	Implement a process to require new City flood control projects to be designed to incorporate water quality protection for receiving water, and to evaluate opportunities to retrofit existing flood control devices for additional pollutant removal.	1.Document one approach to implementation in the 2019 SWMP after approval by TCEQ. 2.Document in one memo to file additional staff or program needs to meet permit requirements or City goals by December. 3.Create one inventory for 100% of existing City-owned flood control devices including evaluation of the existing pollutant removal capacity of the devices by December	Year 1 Years 1-5 Year 2
			4.Develop one set of written procedures to evaluate impacts to receiving waters for new flood control projects and a standard project review checklist to use in evaluation by December. 5.Identify existing flood control devices that can be retrofitted for additional pollutant removal in a memo to file by December.	Year 3
			6.Begin evaluating the impacts to receiving waters for new flood control projects and maintain a completed standard project review checklist for each project evaluated by December. 7.Create a prioritized list of existing flood control devices that can be retrofitted for additional pollutant removal by December.	Year 4
			8.Require 100% of new scheduled City new flood control projects to be designed to incorporate water quality protection for receiving waters according to established procedures by December. 9.Begin retrofitting one existing structural flood control device for additional pollutant removal.	Year 5

MCM	BMP	BMP Description	Stormwater Activity (Measurable Goals)	Target Date
6:Industrial Stormwater Sources	6.1 Stormwater Industrial Inspection Program	Require that facilities comply with any NPDES or TPDES stormwater permit applicable under the SIC code.	1. Continue to provide 75% of industries the applications for coverage, when applicable and enforce failure to apply for or obtain permit coverage	Years 1 – 5
			3. Perform inspections of 90% of the industries once every 3 years to ensure compliance with the stormwater permit and to ensure control measures for discharges are met	Years 1 – 5
6:Industrial Stormwater Sources	6.2 Existing SWP3s	Two existing SWP3s are maintained for the Airport, and the Landfill, as required by the general permit TXR05000.	1. Inspect 100% of the sites annually to ensure compliance with SWP3s permits at the existing regulated facilities	Years 1 – 5
			2. Review the SWP3s annually for any changes required	Years 1 – 5
			3. Annually conduct SWP3 training at 100% of the sites.	Years 1 – 5

F. SWMP Modifications

1. **The SWMP and MCM implementation procedures are reviewed each year. ☒ Yes ☐ No**
2. **Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review. ☐ Yes ☒ No**
3. **Explain additional changes or proposed changes not previously mentioned. NA**

G. Additional BMPs

1. 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: NA

H. Additional Information

1. Is the permittee relying on another entity/ies to satisfy some of its permit obligations? Yes

If 'Yes," provide the name(s) of other entity/ies and an explanation of their responsibilities:
Dallas County Flood Control District #1/ TXR040255

DCFCD is solely responsible for only two (2) BMPs (BMP 5.3 and 5.4):

5.3 Storm Sewer and Drainage Maintenance Program for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.1) ***(TMDL)***	Conduct maintenance and improvements for the drainage components owned by the Dallas County Flood Control District #1 when noted through written complaints and through field observations.	1. Respond to 100% of the written complaints within the District	Dallas County Flood Control District #1	Years 1 – 5
		2. Annually perform 100% of maintenance reviews and prepare report		Years 1 – 5
		3. Conduct annual inspection of the district to not needed repairs, deterioration from past years, and make list of priorities. For each area noted state in the annual report what the district's plan is on the repair or monitoring of that area.		Years 1 – 5
5.4 Disposal of Waste Removed from the MS4 for the Dallas County Flood Control District #1 (excluding the City of Grand Prairie – see BMP 5.2) ***(TMDL)***	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	1. Annually review the SOP for waste disposal	Dallas County Flood Control District #1	Years 1 – 5

2.a. Is the named permittee is part of sharing a SWMP with other entities? Yes

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

If 'Yes,' list all associated permit numbers and permittee names (add additional spaces or pages if needed):

Authorization Number: TXR040065 **Permittee:** City of Grand Prairie
Authorization Number: TXR040255 **Permittee:** Dallas County Flood Control District #1

I. Construction Activities

1. **The number of construction projects in the jurisdiction of the MS4 where the permittee was not the construction site operator (as provided in submittals to the MS4 operator via notices of intent or site notices):** 33

2. **Does the permittee utilize the optional seventh MCM related to construction?** No

J. Certification

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):_____ Title:_____

Signature: _____ Date:_____

Name of MS4 ***City of Grand Prairie***

Name (printed):_____ Title:_____

Signature: _____ Date:_____

Name of MS4 ***Dallas County Flood Control District #1***

APPENDIX A: Monthly Stream Summary

BMP 2.11 Activities Completed

Date: 12/31/2020

Stream Sampling

The Environmental Quality Division has voluntarily conducted stream sampling since 1986. Currently, 23 stream sites are sampled on a monthly, quarterly, and annual basis. The data collected during these monitoring events are used to detect and eliminate illicit discharges or other threats to human and environmental health. Atypical results are identified and researched. All possible attempts are made to mitigate any atypical results. In addition, stream monitoring data are provided to the Clean Rivers Program for water quality monitoring, assessment, and public outreach.

This BMP is highly effective at reducing pollutants to the MEP. Over the many years of implementing this program, numerous atypical results have led to the mitigation of illicit discharges, SSOs, or spills. The following is a summary of the monthly stream sampling performed in 2020.

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
27	1/27/2020	13	13.44	8.19	2	12.43	0	4
28	1/27/2020	15	12.6	7.93	3.8	10.85	0.07	96
26	1/27/2020	11	11.83	8.23	5.3	11.66	0	209
30	1/27/2020	18	13.83	8.24	9.5	11.6	0.06	20
25	1/27/2020	10	12.88	7.85	2.1	9.96	0	6
9	1/27/2020	11	11.37	7.96	3.4	10.09	0.01	570
22	1/27/2020	10	11.23	7.53	3.4	7.57	0	102
12	1/27/2020	11	11.88	7.54	2.7	9.1	0	186
31	1/27/2020	18	12.76	8.51	6.4	12.91	0.02	4
11	1/29/2020	6	9.7	7.88	17	10.01	0.21	568
19	1/29/2020	8	13.11	7.9	15	10.38	0.24	183
29	1/29/2020	6	9.73	8	9	10.64	0	110
23	1/29/2020	8	10.72	8.01	50	10.78	0	2190
3	1/29/2020	8	11.04	8.06	40	10.85	0	2908
7	1/29/2020	6	10.26	8.18	6.6	11.13	0	2318
20	1/29/2020	6	10.44	7.94	6.7	10.06	0.05	302
5	1/29/2020	7	9.56	8.07	27	10.56	0	132
6	1/29/2020	8	12.68	7.82	18	9.9	0.01	270
24	1/29/2020	8	10.92	7.82	14	9.25	0.11	422
17	1/29/2020	6	10.58	8.11	17	10.61	0.05	44
15	1/29/2020	6	10.88	7.71	31	8.45	0	890
18	1/30/2020	5	9.96	8.23	16	10.75	0.03	83
8	1/30/2020	5	10.99	7.86	6.9	9.32	0.35	8

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	2/18/2020	12.24	14.6	6.78	4.1	9.04	0.23	173
26	2/18/2020	9	12.5	7.21	3.6	9.8	0.12	300
27	2/18/2020	9	12.9	7.74	70	10.03	0.44	97
31	2/18/2020	8.33	14	7.55	27	8.83	0.04	144
30	2/18/2020	8.9	14.8	7.45	17	8.5	0.14	104
25	2/18/2020	11	14.35	7.08	1.9	8.69	0.07	44
22	2/19/2020	9	11.43	7.57	6.4	9.78	0.06	324
28	2/19/2020	8	10.54	8.21	7.6	9.74	0.05	4185
18	2/19/2020	9	12.24	8.29	21	11.17	0.04	4185
20	2/19/2020	9	12.18	6.84	12	9.62	0.11	92
29	2/19/2020	9	11.39	7.79	5.5	10.54	0.03	205
8	2/19/2020	9	12.04	7.77	7.6	9.72	0.26	4
12	2/19/2020	8	11.19	6.15	11	9.09	0.09	2190
5	2/25/2020	10	11.91	6.69	11.5	8.4	0.02	72
24	2/25/2020	12	13.14	6.73	10.73	9.71	0.04	102
11	2/25/2020	10	11.65	6.54	9.62	9.22	0.08	144
6	2/25/2020	12	14.45	6.74	13	8	0.15	24
7	2/25/2020	10	11.52	6.56	2.79	10.92	0.06	208
3	2/25/2020	12	12.9	6.82	11.1	10.55	0.06	46
17	2/25/2020	8	10.2	6.67	20.2	10.46	0.09	8
19	2/25/2020	13	15.43	7.02	11.3	10.37	0.26	22
15	2/25/2020	9	11.88	6.45	18.4	9.15	0.16	176
23	2/25/2020	13	12.49	7.18	10.52	10.5	0.02	46

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	3/10/2020	11	15.07	7.44	2.9	8.95	0.04	570
15	3/10/2020	23	16.81	8.02	11	9.76	0.15	54
11	3/10/2020	24	17.59	8.09	6.7	10.31	0.1	51
22	3/10/2020	13	14.35	7.35	4.7	6.26	0.02	428
27	3/10/2020	16	15.02	7.69	1.6	12.19	0.01	15
28	3/10/2020	17	15.79	7.8	3	9.97	0.08	258
31	3/10/2020	17	15.47	8	10	9.71	0.01	125
26	3/10/2020	14	15.04	7.65	1.9	10.93	0.08	690
12	3/10/2020	13	14.9	7.63	4.3	8.45	0.05	615
30	3/10/2020	17	16.36	7.95	23	9.63	0.02	204
20	3/10/2020	19	17.14	8.1	9.5	9.69	0.01	34
29	3/10/2020	19	16.61	7.96	3.2	11.4	0.02	91
17	3/10/2020	19	14.46	8.33	12	10.74	0.05	8
25	3/10/2020	14	15.52	7.54	5	8.72	0.04	106
7	3/11/2020	20	18.23	7.41	0.8	7.64	0.42	17
5	3/11/2020	20	19.04	7.74	2.4	7.5	0.01	86
24	3/11/2020	20	18.32	7.74	3.6	9.58	0.13	46
6	3/11/2020	21	18.84	7.83	9.1	8.87	0.02	84
8	3/11/2020	23	19.04	7.95	7.6	8.08	0	15
19	3/11/2020	23	19.53	8.1	12	9.76	0.08	66
3	3/11/2020	21	17.63	7.89	4.9	8.99	0.02	19
23	3/11/2020	23	19.06	8.03	3.8	9.83	0.02	24
18	3/11/2020	23	19.08	8.1	12	10.08	0.03	17

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
24	4/14/2020	24	24.06	7.4	4.5	7.7	0.05	237
31	4/15/2020	13	12.74	7.93	8.6	9.66	0	58
17	4/15/2020	16	16.21	8.11	11	10.54	0.09	12
26	4/15/2020	11	13.53	7.54	1.7	10.37	0.02	110
25	4/15/2020	10	14.48	7.37	2.4	8.26	0.05	245
22	4/15/2020	9	11.46	7.19	11	7.27	0.05	319
15	4/15/2020	18	17.5	7.92	21	6.81	0.32	484
9	4/15/2020	11	13.03	7.37	4.3	9.08	0.08	643
12	4/15/2020	11	12.98	7.14	685	8.28	0	252
11	4/15/2020	18	15.82	8	5.4	8.9	0.06	343
27	4/15/2020	11	14.12	7.58	1.1	10.16	0.09	16
30	4/15/2020	14	14.25	7.9	12	10.05	0.02	68
20	4/15/2020	15	17.09	8.01	11	8.8	0.17	34
29	4/15/2020	16	13.89	7.83	8.8	11.57	0.14	74
28	4/15/2020	13	13.3	7.65	3.2	9.43	0.01	281
5	4/16/2020	13	15.97	7.13	1	7.34	0.48	147
3	4/16/2020	16	14.73	7.52	5.3	9.43	0.03	96
7	4/16/2020	13	16.22	6.48	1.1	7.96	0.22	30
23	4/16/2020	16	15.36	7.58	5	10.09	0.04	68
8	4/16/2020	16	16.8	7.74	6.3	9.4	0.03	37
18	4/16/2020	17	16.13	7.85	23	10.33	0.08	61
19	4/16/2020	18	16.77	7.96	38	10.31	0	72
6	4/16/2020	14	16.31	7.4	20	9.28	0.08	156
24	4/16/2020	14	16.85	7.2	3.2	9.4	0.16	65

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
31	5/12/2020	24	20.65	7.78	11	8.52	0.13	80
22	5/12/2020	21	21.86	5.92	110	7.85	0.74	4352
9	5/12/2020	21	20.6	6.28	15	7.44	0.12	114
25	5/12/2020	23	20.84	7.5	8.4	6.7	0.27	3266
26	5/12/2020	23	20.98	7.52	8.1	8.58	0.21	1642
27	5/12/2020	24	21.98	7.5	6.9	8.52	0.18	953
28	5/12/2020	24	24.58	7.9	17	7.69	0.09	1642
12	5/12/2020	21	20.7	7.1	11	6.24	0.16	241
11	5/13/2020	23	22.56	7.79	11	7.42	0.12	373
7	5/13/2020	25	22.28	8.04	16	8.6	0.01	1376
15	5/13/2020	23	21.32	7.76	18	5.65	0	318
17	5/13/2020	21	21.65	7.76	16	8.08	0.16	8
20	5/13/2020	21	22.2	7.5	18	4.73	0.13	195
29	5/13/2020	21	20.07	7.34	8.1	8.45	0.05	44
30	5/13/2020	22	20.77	7.06	36	7.06	0.04	12
5	5/13/2020	25	23.58	7.98	3.5	9.08	0.05	362
23	5/14/2020	27	24.04	7.78	6.3	8.45	0.06	271
24	5/14/2020	24	24.06	7.4	4.5	7.7	0.05	237
18	5/14/2020	29	25.54	7.98	24	8.2	0.01	10
6	5/14/2020	26	24.47	7.45	23	7.94	0.02	129
3	5/14/2020	26	23.44	7.61	9.5	8.31	0.07	775
8	5/14/2020	29	27.08	7.96	5	10.36	0.07	345
19	5/14/2020	29	25.94	8	17	8.45	0.15	72

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
17	6/16/2020	35	28.37	8.27	11	8.11	0.01	2
30	6/16/2020	32	24.99	8.01	5.9	6.61	0.05	2
31	6/16/2020	33	25.07	8.07	8.8	7.09	0.04	8
28	6/16/2020	31	25.78	7.79	4.7	8.27	0.15	171
22	6/16/2020	27	25.11	6.18	8.9	4.62	0.06	409
12	6/16/2020	28	24.67	7.38	3.8	6.38	0.06	345
29	6/16/2020	35	26.51	7.9	5.9	8.92	0.03	15
27	6/16/2020	30	27.47	7.81	3.2	9.34	0.05	176
26	6/16/2020	29	25.79	7.56	2.6	8.5	0	87
25	6/16/2020	29	26.91	7.48	```````````````````	8.73	0.1	40
9	6/16/2020	28	26.39	7.34	4.7	8.39	0	57
20	6/16/2020	33	28.02	8.17	15	5.93	0.05	126
5	6/17/2020	28	27.82	7.87	6.4	6.12	0.05	104
7	6/17/2020	28	23.54	7.78	9.8	7.06	0.2	222
24	6/17/2020	28	28.7	7.78	4.5	7.54	0.06	13
15	6/17/2020	26	26.86	6.93	11	6.83	0.12	64
8	6/17/2020	0	0	0	0	0	0	0
19	6/17/2020	34	29.19	7.99	27	8.23	0.15	6
23	6/17/2020	30	28.34	7.95	14	7.48	0.01	145
3	6/17/2020	29	27.3	7.89	11	6.97	0.12	59
6	6/17/2020	28	28.11	7.91	15	7.5	0.28	24
11	6/17/2020	26	25.51	7.56	10	5.95	0.21	370
18	6/17/2020	33	29.89	8.35	40	8.19	0.1	4

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
26	7/21/2020	27	27.18	7.63	3.7	6.31	0.2	32
30	7/21/2020	30	27.72	8.16	7.9	8.88	0.19	37
31	7/21/2020	30	27.94	8.16	12	7.69	0.16	17
27	7/21/2020	27	29.6	7.75	3.8	8.85	0.09	43
12	7/21/2020	27	26.58	7.52	3.9	5.51	0.1	731
9	7/21/2020	27	28.98	7.57	5.2	6.84	0.08	54
20	7/21/2020	30	29.45	8.21	16	4.33	0.07	24
29	7/21/2020	30	29.7	7.79	20	8.08	0.07	45
22	7/21/2020	27	26.44	7.37	8.1	5.51	0.26	420
28	7/21/2020	29	28.13	7.8	3	8.21	0.07	82
25	7/21/2020	27	28.7	7.69	3.2	7.46	0.06	22
17	7/21/2020	30	31.19	8.07	13	7.42	0	2
18	7/22/2020	28	31.15	8.15	36	6.64	0.1	6
11	7/22/2020	27	27.22	7.33	7.9	5.05	0.06	267
19	7/22/2020	28	31.68	7.95	23	7.08	0.08	65
24	7/22/2020	28	30.86	7.83	9.2	6.71	0	54
3	7/22/2020	28	30.63	7.91	11	6.94	0.43	181
23	7/22/2020	28	30.31	7.92	11	7.15	0.06	106
11	7/22/2020	27	27.22	7.33	7.9	5.05	0.06	267
7	7/22/2020	28	23.83	7.64	3.9	7.66	0.12	49
6	7/22/2020	28	29.95	7.87	18	6.96	0.09	94
15	7/22/2020	27	28.12	7.33	12	4.63	0.23	137
5	7/22/2020	28	29.2	7.92	15	6.43	0.01	229

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
25	8/18/2020	32	27.67	7.63	8.05	5.09	0.13	3466
28	8/18/2020	36	29.6	8.27	4	10.34	0.08	90
9	8/18/2020	31	27.28	7.37	4.57	3.71	0.3	3106
26	8/18/2020	33	28.14	7.93	2.6	6.94	0.16	62
12	8/18/2020	32	26.55	7.63	2.56	5.22	0.12	597
22	8/18/2020	29	26.08	6.79	5.25	1.74	0.7	600
27	8/18/2020	36	29.87	8.66	2.3	10.72	0.2	41
15	8/20/2020	32	29.21	7.4	15	4.43	0.12	37
18	8/20/2020	34	30.6	7.74	50	7.85	0	4
23	8/20/2020	32	30.14	7.49	7.3	7.61	0.05	290
19	8/20/2020	34	30.63	7.41	32	8.37	0.03	8
11	8/20/2020	32	27.13	7.5	4	4.97	0.07	293
24	8/25/2020	31	30.05	7.46	6.4	6.8	0.18	35
7	8/25/2020	30	24.03	7.31	12	7.01	0.04	88
6	8/25/2020	32	29.72	7.54	19	6.33	0.16	17
3	8/25/2020	33	29.83	7.49	12	7.37	0.09	17
5	8/25/2020	30	28.98	7.56	14	6.8	0.02	79
20	8/26/2020	32	27.82	4.64	13	3.93	0.23	17
30	8/26/2020	29	25.55	7.3	8.4	5.97	0.11	4
17	8/26/2020	32	29.86	7.43	11	7.04	0.07	4

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	9/8/2020	28.9	26.9	7.9	5	6.65	0.03	498
22	9/8/2020	25.6	25.8	7.16	6.5	5.52	0.22	731
31	9/8/2020	31	26.6	7.95	6.7	6.33	0.04	176
30	9/8/2020	31	27.4	7.83	50	6.58	0.16	357
29	9/8/2020	31	27	7.78	4.6	7.18	0.17	37
28	9/8/2020	31	28	7.87	2.1	6.68	0.08	85
27	9/8/2020	29	28	7.91	2.2	11.95	0.09	252
20	9/8/2020	31	28	7.96	13	6.92	0.14	52
12	9/8/2020	27.8	25.7	7.73	6.1	5.46	0.12	321
25	9/8/2020	29	27.2	7.7	3.5	5.57	0.06	615
26	9/8/2020	29		7.82	2.6	9.52	0.06	163
19	9/8/2020	31	29.6	7.93	20	10.09	0.37	54
6	9/9/2020	27	28.48	7.77	16	7.25	0	80
7	9/9/2020	27	24	7.54	9.9	7.4	0.09	139
17	9/9/2020	24	27.8	6.89	17	6.47	0.13	35
18	9/9/2020	27	28.5	7.92	28	7.94	0.02	13
11	9/9/2020	26	26.5	7.16	5.7	5.81	0.21	240
8	9/9/2020	27	26.4	7.68	2.8	7.91	0.08	68
3	9/9/2020	27	27	7.85	13	6.81	0.03	163
5	9/9/2020	27	27.2	7.9	13	4.85	0.06	227
24	9/9/2020	26	27.4	7.72	428.8	6.6	0.02	58
23	9/9/2020	27	27.5	7.7	7.2	6.37	0.19	79
15	9/9/2020	25	27.45	6.95	17	3.44	0.6	283

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
29	10/20/2020	26	18.75	7.45	2.1	5.61	0.08	580
11	10/20/2020	29	20.86	7.63	5.4	5.53	0.11	129
20	10/20/2020	26	19.91	7.43	6.4	4.36	0.05	21
30	10/20/2020	26	18.96	7.38	7.3	5.11	0.1	68
31	10/20/2020	22	18.43	7.34	3.8	2.17	0.23	8
7	10/20/2020	29	23.26	7.53	80	8.03	0.24	959
25	10/20/2020	18	19.61	7.27	5.9	4.26	0.3	666
15	10/20/2020	28	20.51	7.48	11	4.76	0.09	93
17	10/20/2020	26	22.44	7.66	11	8.17	0.15	16
27	10/20/2020	19	19.18	7.29	2.2	8.83	0.08	29
26	10/20/2020	19	18.11	7.15	3	8.23	0.05	49
28	10/21/2020	24	20.5	7.61	4	5.92	0.19	494
24	10/21/2020	24	22.06	7.57	3.4	2.7	0.22	96
23	10/21/2020	26	22.24	7.8	4.9	7.7	0.24	12
22	10/21/2020	23	21.38	7.35	12	4.82	0.07	1302
5	10/21/2020	24	22.13	7.73	3.4	7.75	0.18	229
3	10/21/2020	25	22.39	7.65	10	8.46	0.35	30
19	10/21/2020	28	23.16	7.98	17	8.38	0.04	12
9	10/21/2020	23	21.1	7.66	6.8	6.31	0.06	2595
18	10/21/2020	29	23.6	8.13	29	9.81	0.23	4
12	10/21/2020	23	20.1	7.5	4.4	5.6	0.03	245
6	10/21/2020	25	23.99	7.63	14	7.29	0.1	202

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
12	11/10/2020	20	18.28	7.03	5	4.95	0.12	104
22	11/10/2020	21	19.22	6.53	5.4	4.03	0.14	523
20	11/10/2020	26	21.76	7.88	2.6	7.52	0.09	19
29	11/10/2020	26	20.82	7.71	2.1	7.26	0.06	81
30	11/10/2020	23	19.41	7.78	4.9	6.49	0.12	14
19	11/10/2020	24	21.14	7.89	13	8.93	0.05	29
31	11/10/2020	23	18.93	7.77	2.7	5.41	0.018	44
26	11/10/2020	21	19.01	7.25	5.1	8.69	0.13	87
9	11/10/2020	21	19.15	7.05	5.6	5.89	0.21	29
27	11/10/2020	21	20.14	7.48	2.9	11.3	0.09	111
28	11/10/2020	23	19.04	7.53	3.6	6.47	0.07	59
25	11/10/2020	21	19.59	7.25	2.8	6.16	0.15	187
17	11/11/2020	13	15.5	6.12	0.9	8.68	0.09	8
23	11/11/2020	18.9	18.9	7.62	3.5	8.85	0.06	73
5	11/11/2020	16	17.8	7.19	5.5	7.55	0.07	237
24	11/11/2020	17	18.2	7.22	3	6.17	0.15	24
6	11/11/2020	20	21.35	7.47	11	8.6	0.09	78
7	11/11/2020	16	14.7	6.86	10	7.61	0.48	142
3	11/11/2020	21	17.62	7.5	5.1	8.62	0.14	34
15	11/11/2020	13	16.42	6.17	9.9	5.18	0.4	192
18	11/11/2020	23	20.5	7.85	15	8.91	0.07	13
8	11/11/2020	23	19.9	7.46	5.8	9.67	0.19	345
11	11/11/2020	13	15.67	6.61	4.8	4.64	0.1	8

Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
26	12/8/2020	14	10.39	8.03	0	10.72	0	15
15	12/8/2020	21	15.41	7.38	0	5.99	0	128
31	12/8/2020	16	12.48	7.76	0	8.92	0.01	35
17	12/8/2020	21	14.07	8.16	0	10.49	0.02	8
30	12/8/2020	21	12.36	7.8	0	10.24	0.01	17
22	12/8/2020	11	14.62	7.71	0	5.97	0.01	167
12	12/8/2020	13	12.94	7.4	0	6.21	0	52
29	12/8/2020	21	14.48	7.93	0	9.98	0.01	8
27	12/8/2020	14	11.15	8.2	0	11.95	0.01	30
28	12/8/2020	16	9.89	7.79	0	9.28	0	216
11	12/8/2020	21	11.94	7.62	0	8.67	0	90
25	12/8/2020	13	11.94	7.79	0	7.03	0	66
19	12/8/2020	22	14.43	8.02	0	11.52	0.01	19
7	12/9/2020	11	10.13	7.75	0	10	0.01	17
8	12/9/2020	18	12.02	7.48	0	9.41	0	523
18	12/9/2020	19	12.65	8.46	0	11.37	0.04	22
24	12/9/2020	13	11.76	7.61	0	7.39	0	26
6	12/9/2020	14	13.77	7.8	0	9.27	0.02	68
3	12/9/2020	14	14.22	8.02	0	8.94	0.01	29
5	12/9/2020	12	11.1	7.92	0	9.89	0.01	69
23	12/9/2020	16	15.46	7.94	0	10.35	0.01	69

APPENDIX B: Beach Sampling Results

BMP 2.18 Activities Completed

09/30/2020

Beach Sampling SOP and results

The beach sampling standard operation procedure is followed during sampling events.

This BMP is effective at reducing pollutants to the MEP. If high levels of E. coli are observed, attempts are made to determine and mitigate the source of the high levels.

Sampling for E. coli was conducted during the summer months from May to September. The designated swimming areas in Lynn Creek and Loyd Parks met the primary contact recreation 1 criteria (where the recommended limits for the geometric mean is 126 MPN /100 mL and the single sample criterion for E. coli is 399 MPN/100 mL) in accordance with the 2018 Texas Surface Water Quality Standards §307.7(b)(1)(A)(i). See the following table for results. Results that are less than the reportable limits are conservatively treated as at detection limits (i.e. <4 is 4).

Results for Loyd Park and Lynn Creek Beach Sampling

BEACH SAMPLING 2020– E COLI MPN/100ML								
Month	**Loyd Park West**	**Loyd Park Middle**	**Loyd Park East**	**GeoMean**	**Lynn Creek West**	**Lynn Creek Middle**	**Lynn Creek East**	**GeoMean**
May	6	8	6	6.60	65	8	2	10.13
June	43	124	60	68.39	95	13	26	31.78
July	4	2	4	3.17	47	24	13	24.48
August	8	2	6	4.58	17	17	34	21.42
September	6	12	8	8.32	176	113	8	54.19

Recommended limits for the geometric mean is 126 MPN /100 mL and the single sample criterion for E. coli is 399 MPN/100 mL) in accordance with the 2018 Texas Surface Water Quality Standards §307.7(b)(1)(A)(i).

APPENDIX C: Dry Weather Screening location

104 Outfalls Inspected in 2020 Year 2