City of Grand Prairie
&
Dallas County Flood Control District #1
Phase II (Small) MS4 Year 1 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 1 Reporting Period, Calendar Year: January 1, 2019 – December 31, 2019

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 1 BMPs 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 a decrease of violations in 2019. The total enforcement decreased from 253 violations in 2018 to 166 violations in 2019, 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 purchased 80 English and 30 Spanish replacement Major Rivers Educational Packets for GPISD. 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. Twenty three (23) 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 high 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. 208 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 443 industrial businesses point of contacts 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 monitors were trained 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. There were ten (10) graduates who completed the requirements of the program in 2019.
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 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. Nine (9) spills and three (3) SSOs were investigated and resolved during this reporting period
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.
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	2.9	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 floatables 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.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 2019, zero OSSF complaint was received and no 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 2019, Grand Prairie received 3,970 trip tickets for grease or sand traps pump events out of the 4,050 events due. This is a compliance rate of 98%. Eighty (80) 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 2019, seventeen (17) horse stables were inspected.
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 69 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 818 on-site inspections, which required 125 action items to be addressed, and 20 Notices of Violations were issued. Additionally all were brought into compliance in the regulated 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 stromwater Ordinance for construction site was reviewed for changes necessary to comply with the new permitting term. Review of the ordinances and necessary change will be documented in Year 2 reporting cycle.

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 nine (9) 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 forty three (43) construction site activities were inventoried and documented. Forty one (41) 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 fifteen (15) 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. In 2019, revisions were made to enhance Article 12 Platting of the Unified Development Code (UDC). Changes were adopted on September 17, 2019. Additionally no changes were required for Article 14 of the UDC.
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. Twenty one (21) City owned and maintained detention ponds were inspected during this reporting year . Forty-eight (48) privately owned ponds have been recorded and designated for yearly inspections (O&M agreements). Of the 48 ponds, 7 submitted their yearly inspections. Letters will be sent to others to comply with their agreement.
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, the City responded to 217 complaints and/or maintenance needs.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.2	MS4 Waste Disposal	Maintain standard operating procedure for the disposal of waste removed from the MS4.	Yes. Follow a standard operating procedure to clear and dispose of waste collected from the MS4.
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	5.6	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, street sweeping operations collected 165.63 tons of litter.
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 2019, list of all active city contractors was compiled. Out of the 44 active city contractors, 6 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 1, pollution prevention measures were inspected at City 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 1, retention/detention ponds were inspected at twenty-one (21) 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	5.13	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	5.16	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	~84,143	Amount of waste removed in pounds.	Yes. The Environmental Quality Division held nine (9) Household Hazardous Waste events during the reporting period. During this time 1,776 households participated in the events and ~84,143 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	Four (4) Environmental compliance workshops were held in 2019.	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 2019, during 1077 food services inspection, were conducted. During inspections brochures and newsletters were distributed.	Inspections	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	600 ARBs were inspected in 2019.	Inspections	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 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	The City purchased 60 English and 30 Spanish replacement Major Rivers Educational Packets for GPISD.	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	Twenty three (23) stormwater related articles were published and distributed during this reporting period.	Stromwater 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. 526 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	208 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	3 public education events were held in 2019.	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 2019, Clean Rivers web link was viewed 56 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 443 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 three (3) existing monitors. One new monitor was trained during this reporting period. 4 individuals were trained and certified as Citizen Scientist	Stream Monitors	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..
1: Public Education, Outreach, and Involvement	1.18 Master Composter	Training	1 Master Composter class was help with 10 participants.	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	98 investigation were conducted in 2019.	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	In 2019, 14 Stakeholder/Task Force Group Meeting were attended. Two Auto Related Business Compliance Meetings were held on March 6 and September 10 with attendance record of twenty two (22) and eleven (11) respectively.	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	303 clean up or awareness events were conducted in 2019.	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	4 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 2019, 12 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	71 outfalls were inspected in 2019 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	200 investigation were completed in 2019.	Investigations	Yes. Incidents such as spills, illicit discharges, or sanitary sewer overflows are mitigated. Twenty four (24) spills and eight (8) SSOs were investigated and resolved during this reporting period.
2. Illicit Discharge Detection and Elimination	2.5 Illicit Discharge/Spill Procedures	Spills/ Illicit discharges	Five SOPs are marinated for Spills/illicit discharges.	SOPs	No. Standard operating procedures used for responding and mitigating to Stormwater pollution incidents such as spill will eventually reduce 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	200 investigations were performed in 2019.	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.
2. Illicit Discharge Detection and Elimination	2.7 Spill response	Complaints and training	25 spill 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	541 Building Projects and 723 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 98 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	25 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	Eight (8) SSOs were investigated in 2019.	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	Three public events were held where general public was distributed with brochures, Newsletters were emailed to 443 businesses point of contacts. In addition, 8 stromwater 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 polluants.
2. Illicit Discharge Detection and Elimination	2.14 Educating and Training City Field Staff	Training	Employees attended Basic Dry Weather Field Screening workshop, Illegal Dumping workshop and EPA Region 6 Stormwater Conference to continue education and training. 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	Workshops 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 168.31 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 2019.	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	Zero (0) OSSF permits were issued and one (1) 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	95.52% of Auto Related Businesses were inspected in 2019.	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 2019, over 80% of food services were inspected. During 2019, Grand Prairie received 3,970 trip tickets for grease or sand traps pump events out of the 4,050 events due. This is a compliance rate of 98%. Eighty (80) charges were issued to health permit holders for not pumping grease traps.	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 2019.	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	2.23 Sanitary Sewer Systems	C-MOM Program, I&I Replacement Program, Scada System, Smart Covers	1666 service requests were received and completed in 2019.	Service Request	No. 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	69 Plans were reviewed in 2019.	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	818 construction site inspections were conducted in 2019.	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 2019, 20 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 2019, 9 registered Stormwater Construction Site investigations were conducted.	Investigations	Yes. Possible discharge of sediment into the water bodies were mitigated. Nine complaints were investigated and resolved in 2019.

3. Construction Site Stormwater Runoff Control	3.5 Construction Site Inventory	SWPPP	During 2019, 43 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 2019, 15 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	0	Violations	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 2019, 21 City owned ponds were inspected. 48 privately owned ponds are required to submit yearly inspection reports as per the signed O&M agreement.	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 2019, 217 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	5.2 MS4 Waste Disposal	State and Federal Regulations	One SOP is maintained for 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 and will eventually reduce pollutants.
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	5.6 Street Operation and Maintenance	Litter Collected	165.63 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 168.31 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 2019, 250 vehicle decals with contact information in the event staff observes an illicit discharge were distributed and 526 employees watched storm water 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 2019, all of activities required for 69 BMPs designated for Year 1 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 44 active city contractors, 6 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 2019, thirteen (13) High priority 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 2019, structural controls at thirteen (13) High Priority facilities 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	5.13 Mosquito Management	Maintain mosquito management methods	In 2019, 0 illicit discharged occurred in the MS4 due to mosquito management method.	Illicit Discharges	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 2019, list of 130 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	5.16 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	Thirteen (13) High Priority facilities were inspected in 2019.	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 was 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	Year 1 goal to document the approach and need for additional staff or program for implementation of this BMP was completed.	Flood Control Devices	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 2019, thirty-two 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.	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 2019, 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 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	Exceeded goals **12/31/2019** *HHW Magnets* During this reporting period, 9 HHW events were held, w 1,776 households participated in the events and ~84,143 pounds of hazardous waste products were recycled. HHW magnets and Earth Saver wheels were distributed to all the participants.
		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	**12/31/2019** *Pipeline Articles* During this reporting period, nine (9) 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.
		4. Maintain contract with Forth Worth annually to allow Grand Prairie citizens to drop off HHW at the Environmental Collection Center	**1/1/2019** The City of Grand Prairie 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
		5. Annually hold at least 1 HHW collection event in Grand Prairie.	
1.2 Pet Waste	Promote awareness of the	1. Annually distribute	Met goals

Management Education and Involvement *(TMDL)*	hazards to health and the environment from pet waste through several forms of outreach.	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	**12/31/2019** *"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 1. **12/31/2019** *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 . **12/31/2019** *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 **9/25/2019** *Environmental Compliance Workshops* The Environmental Quality Division held four Environmental Compliance Workshops during the reporting period. On January 15, 2019, Anthony Incristi and Stan Lewis presented on *OSHA's whistleblower Portection program*; on April 16, 2019, Jody Cason with the City of Grand Prairie , discussed *Housekeeping Matters;* on July 24, 2019, Ted Wyman, presented Health Effects and Regulations of Asbestos*;* and on September 25, 2019 the City hosted the Annual Awards Luncheon

			where P2 awards were given to three industries and twelve industries were given awards for 100% Complaince. David James presented *Pollution Prevention Strategies*.
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. 2. Make available on the City website.	Met goals **12/31/2019** *Brochure Distribution* Distributed English and Spanish "Clean It Right" brochures to 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. **01/1/2019** *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.
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 Certificate of Occupancy inspections. 2. Maintain auto related business BMPs on the City website. 3. Maintain mailing	Met goals **12/31/2019** *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.

		list of ARB and industrial facilities and electronically mail out annually informative material regarding stormwater BMPs	**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.
		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.	**12/31/2019** *AutoWatch* Autowatch Newsletter featuring environmental issues specific to autotmotive related businesses was distributed to at least 600 businesses.
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. Purchase Major Rivers© or similar curriculum as needed for additional Grand Prairie ISD classrooms.	Met goals **1/3/2020** *Major Rivers Order* The City purchased 80 English and 30 Spanish replacement Major Rivers Educational Packets for GPISD.
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 **12/31/2019** *Pipeline Articles* The City distributed stormwater related articles with the water utility bill. Nine (9) Pipeline articles contained information on household hazardous waste issues and events, one (1) contained information benefits of rain harvesting and reduce the effect on stormwater, one (1) contained information about Love water, Love Life art

			contest that encouraged citizens to submit art on how to protect watersheds, one (1) contained information on how to properly handle grass clippings, one (1) discussed trash-off events being held by the City, one (1) sought volunteers for a City hosted stream clean-up, two (2) educated the reader on removing standing water to prevent mosquito breeding, one (1) contained information on how to report pollution, one (1) contained information on how to report illegal dumping, two (2) educated the reader on the need to keep grease from the entering the drain, one (1) discussed how to prevent pet waste pollution, one (1) discussed how to prevent vehicle fluid spills, and one (1) article included information on the master composter classes offered by the City.
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. 2. Post stormwater quality message on Facebook at least twice per year. 3. Provide and maintain Stormwater Pollution Prevention information on the City's website. 4. Require viewing of stormwater related video for new employee. 5. Maintain *Find Your Watershed* hyperlink	Exceeded goals **12/31/2019** *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. **12/31/2019** *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) **12/25/2019** *New Employee Orientation* Presented "Preventing Storm Water Pollution: What We Can Do" video to 526 employees using the City's new Onboard system.

		on the City's website, where citizens can enter their address and find out their watershed.	**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.
1.9 Tailor Outreach Programs to non-English languages *(TMDL)*	Ensure educational materials are translated into Spanish, as needed.	1. Provide educational materials in Spanish, when available.	Met goals **1/1/2019** *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.
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. **12/31/2019** *Storm Drain Labeling* 208 storm drain makers were placed in 2019.

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 *Public Education Events* The City hosted *Guys Night Out* on 6/5/2019 , *Cyclin with the Mayor at Prairie Lights* on 11/25/2019 and *Mountain Creek Lake Park* on 12/14/2019. Staff distributed stormwater related educational materials, had interactive games for the attendees, and demonstrated the EnviroScape. Approximately 320, 500 and 100 people were in attendance, respectively.
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. Maintain link to the Clean Rivers Program's website on the City's website.	Met goal **1/1/2019** *CRP Link on City Website* Provided link to Clean Rivers Program on the City website. The 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 **04/01/19** *"Don't Bag It" in Pipeline* One (1) "Don't Bag It" article was printed in and distributed through the water bill insert (Pipeline). **12/31/2019** *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.
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 **12/31/2019** *H2O Line* City inspectors regularly distributed the H2O Line during industrial inspections. In addition, each H2O Line was

			sent to 443 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 **1/1/2019** *Construction Educational Material* "Steps to Obtain Construction Permits for Storm Water Discharges" brochures were distributed at two locations at the Development Center and were 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	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.

		and adhere to 30 day public comment period.	
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 **11/14/2019** *Texas Stream Team Training* City has three (3) existing monitors and one new monitor was trained during this reporting period. 4 individual were trained and certified as Citizen Scientist.
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 1 Master Composter class per year. 2. Distribute yard care educational materials to all class participants.	Met goals **4/6/2019** *Master Composter Program* The STAR-certified Master Composter Course was held in April/ May 2019. The course comprises of 20 hours of classroom times including a 4-hour field trip and 20 hours of volunteer time. There were 10 graduates who completed the requirements of the program in 2019. All students attending received yard care educational materials.
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. Continue to make the 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	1. Hold, or participate in through NCTCOG, one stakeholder meeting per year. 2. Sit on at least one stormwater committee	Exceeded goal **12/31/2019** *Stakeholder Meetings* Environmental Quality and Code Enforcement Divisions hosted two Auto Related Business Compliance Meetings for auto-related businesses (ARB) in Grand Prairie.

	programs by participating in stormwater related committees or task force groups through NCTCOG.	or task force group annually	Compliance meetings were held on March 6 and September 10 with attendance record of twenty two (22) and eleven (11) respectively. Joe Crowson with OSHCON talked about OSHA Regulations and Danielle Cochran with TCEQ talked about Small Business & Local Government Assistance, respectively on the aforementioned dates. Staff from the Environmental Quality Division attended the Watershed Protection Plan – Joe Pool Lake Information Session at TRA, Clean Rivers Program Steering Committee meeting, Clean Rivers Program Coordinated Monitoring meeting, 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.
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.	Exceeded goal **12/31/2019** *Neighborhood Outreach Adopt-a-Stream Events* The City held three hundred and three (303) neighborhood outreach events in 2019, during which 21,753 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 **12/31/2019** *School Outreach* The City held four school outreach events in 2019.
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 **September 25, 2019** *Annual Compliance Awards* The City annually recognizes Grand Prairie industries achieving 100% compliance. The City held one Annual Compliance award meeting during Year 1.

2.1 Maintain a GIS Database of the MS4 ***(TMDL)***	Maintain an updated map of the locations of all outfalls and the names of all receiving US surface waters.	1. Maintain current drainage system map, including outfalls, using asbuilts, aerial images, and/or through field verification.	Met goal **12/31/2019** *Drainage System Map Maintenance* The outfall map with receiving US Waters is continuously reviewed and updated primarily using Engineering asbuilts and then error-corrected using orthographic photos (aerials). Differences noted in the field are reported and print corrected.
2.2 Priority Areas ***(TMDL)***	Update priority areas within the city likely to have an illicit discharge.	1. Maintain and document the process for selection of priority areas. 2. Map the priority area.	Met goal **1/1/2019** The City maintained document with process for selection of priority areas and the map of the priority area.
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 **12/31/2019** *Dry Weather Field Screening* 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, 71 outfalls were screened for illicit discharges. Revising dry field screening program is scheduled for Year 2.
2.4 Complaint Response and Database ***(TMDL)***	Investigate all citizen complaints and maintain a database of all citizen complaints regarding illicit discharges.	1. Maintain the complaint database.	Met goal **1/1/2019** *The Digital Health Department Database* The Environmental Quality Division uses the *Digital Health Department*, a Web based database, to track all citizen complaints regarding stormwater.
		2. Maintain a	Exceeded goal

		response of 80% within 5 days.	**12/31/2019** *Investigate Complaints* The Environmental Quality Division investigated well over 80% of residential complaints within five (5) working days. Twenty four (24) spills and eight (8) 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. Maintain standard operating procedures for responding to spills. 2. Maintain standard operating procedures for responding to illicit discharges.	Met goals **1/1/2019** *Spill Response SOPs* 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. **1/1/2019** The City maintained a standard operating procedure for responding to illicit discharges.
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 to 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 all illicit discharges/spills	Met goals **12/31/2019** *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.

		believed to be an immediate threat to human health or the environment.	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 2019, one spill that occurred at the Grand Prairie Municipal Airport was reported and a remediation report was submitted within 30 days to the TCEQ. The City also documents all details of the incident into the Digital Health Department database. If the discharge/spill reaches or is expected to reach a neighboring MS4, the City notifies the operator of that MS4. Dry weather field screening is performed during follow-up investigations.
		3. Notify the responsible party and require the responsible party to take all corrective actions necessary.	
		4. Notify 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 follow-up investigation to ensure discharge has been eliminated.	
2.7 Spill Response *(TMDL)*	Coordinate with the Fire Department on emergency spill response, using a private contractor for clean-up and remediation.	1. Respond to 100% of the emergency spill call. Conduct six (6) emergency responder meetings in a year for continued training.	Exceeded goals **12/31/2019** *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 2019, twelve (12) emergency responder meetings were conducted. Twenty four (24) spills and eight (8) SSOs were investigated and

			resolved during this reporting period.
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. Continue to review at least 80% of new commercial construction plans for water quality hazards. 2. Continue to inspect at least 80% of Certificates of Occupancy that have a potential to impact stormwater.	Exceeded goals **12/31/2019** *Certificate of Occupancy Inspections and Building* The Environmental Quality Division received 723 Certificate of Occupancy applications and 541 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. Continue to make the Illegal Dumping Hotline available on the City's Code Enforcement and Environmental Services website. 2. Distribute information on illicit discharges and contacts for reporting illicit discharges in the City's water bill annually. 3. Continue efforts to remove all illegally dumped debris at least	Exceeded goals **1/1/2019** *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. **12/31/19** *Article on Reporting Illicit Discharges* The City published and distributed an article with information on grease blockage and how to report pollution, how to report illegal dumping and how to prevent vehicle fluid spills in the *Pipeline* (a water bill newsletter insert) on 01/2019, 08/2019, 10/2019, 11/2019. The City responded to 98 illegal dumping complaints during this reporting period.

		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 ***12/31/2019*** *Stream Sampling* The Environmental Quality Division has voluntarily conducted stream sampling since 1986. Currently, 25 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. Maintain the plan for Water Utilities and Environmental Services to respond to SSOs.	Met goal **01/01/2019** *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.
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 **12/31/2019** *Educational Brochures, and Newsletters* Three public events were held where general public was distributed with brochures. 32 industries in the City possess waste water discharge permit and approximately 600 Auto Related Businesses exist within the City limits. Newsletters with stormwater related messages were emailed to 443 industry representatives and to approximately 300 Auto Related businesses. 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. **12/31/2019** *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, watershed protection, stream cleanup events, pet waste, and fertilizer and pesticides. (See also BMP 1.8.) **12/31/2019** *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) **01/01/2019** *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. (See also BMP 1.8)
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. 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.	Met goals **12/31/2019** *Disseminating IDDE Video* 526 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. 8 IDDE Posters were distributed to following City Facilities: - Fleet Services Streets Landfill Airport Parks and Recreation Engineering Water Utilities Field Office

			12/31/2019 *Miscellaneous Training* Employees attended Basic Dry Weather Field Screening workshop, Illegal Dumping workshop and EPA Region 6 Stormwater Conference to continue education and training.
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 **12/31/2019** *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 2019, they collected 168.31 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 **09/30/2019** *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 2019.
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. Maintain the permitting of sewage systems. 2. Respond to onsite sewage systems within 10 days of receiving complaint and enforce as necessary.	Met goal **12/31/2019** *OSSF complaint and Permit* No complaints were received and zero 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 **12/31/2019** *ARB Inspections* The Environmental Quality Division inspected 95.52% 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 **12/31/2019** *Grease Trap Compliance Report* During 2019, over 80% of food services were inspected. In 2019, Grand Prairie received 3,970 trip tickets for grease or sand traps pump events out of the 4,050 events due. This is a compliance rate of 98%. Eighty (80) 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 private horse stables and ensure good housekeeping	Met goal **12/31/2019** *Horse Stable Inspections*

		practices are implemented 2. Prepare and distribute horse manure management guidelines for horse stables during inspections.	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.
2.23 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 reporting of overflows is in compliance with state requirements	Exceeded goals **12/31/2019** *Sanitary Sewer and Lift Station Improvements and Overflow Reporting* 100% of the 1666 service requests received were completed in 2019. Improvements were made to sanitary sewer systems and lift stations, as needed. 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. Maintain written procedures for City review of	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 Operate under existing	Met goals **12/31/2019** *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 69 submitted plan reviews.

	construction plans, including provisions for training new plan review staff.	procedures until approval of SWMP by TCEQ.	
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.	Met goals **12/31/2019** *Inspection and Enforcement* During this reporting period construction site inspections consisted of 818 on-site inspections. Of the sites inspected, 20 were found to have compliance issues which were brought into compliance in the regulated 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 Permit TXR150000).	1. Conduct follow-up action (i.e. inspection or enforcement) for 100% of sites with 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.	Met Goal **12/31/2019** *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. Review of the ordinances and necessary change will be documented in Year 2 reporting cycle.
3.4 Construction Site Stormwater Reporting by Public	Facilitate stormwater quality reporting by the public related to discharges from	1.Maintain at least 1 mechanism for the public to submit	Met goal **12/31/2019**

	construction site activity. Maintain written procedures for facilitating stormwater quality reporting by the public and responding to reports of construction site stormwater quality concerns.	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. 1.Operate under existing procedures until approval of SWMP by TCEQ.	*Public Input Response* City investigator ensures problem areas are brought back into compliance, thus reducing pollution runoff. City staff conducted 100% of the nine (9) registered stormwater construction site inquires in this reporting period.
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	1.Add construction sites to inventory within 10 business days of acceptance of SWP3. 2.Remove from inventory within 10	Met goals **12/31/2019** *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

	disturbance of less than an acre if part of a larger common plan or development or sale.	days of final acceptance. 3.Maintain one copy of each Notice of Intent (NOI)/ Construction Site Notice for construction activity received by the City.	SWP3, NOI and/or Construction Site Notice. Construction site inventory is developed and maintained. During this reporting period, a total of forty three (43) construction site activities were inventoried and documented. Forty three (41) of these were non-municipal sites.
	Maintain written procedures for maintenance of a construction site inventory.	1.Operate under existing procedures until approval of SWMP by TCEQ.	
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.	Met goal **12/31/2019** *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 15 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.
	Continue to enforce requirements for maintenance agreements for privately-owned structural controls to be filed in the real property records of the	1. Review maintenance agreements for 100% of sites with private	

	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.	structural controls. 2. Record 100% of maintenance agreements prior to final acceptance. 1.Operate under existing procedures until approval of SWMP by TCEQ.	
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.	Met Goal **09/17/2019** In 2019, revisions were made to enhance Article 12 Platting of the Unified Development Code (UDC). Changes were adopted on September 17, 2019.
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. Maintain 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	Met goal **12/31/2019** *Post-Construction Control Measures* Following guidelines set in the previous reporting period City staff conducted 100% of the 21 City owned and maintained detention ponds inspections during this reporting year. Additionally, forty-eight (48) privately owned ponds have been recorded and designated for yearly inspections (O&M agreements). Of the 48 ponds, 7 submitted their yearly inspections. Letters will be sent to others to comply with their agreement..

	for detention pond maintenance, including maintenance of City-owned detention ponds and oversight of maintenance for privately-owned detention ponds.	for post-construction requirements by December of each year. 1.Operate under existing procedures until approval of SWMP by TCEQ.	
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. Maintain a computer maintenance and management system to track maintenance and complaint responses. 2. Respond to 80% of citizen complaints and input information into City Works Management System. 3. Track storm sewer and drainage maintenance through City Works Management System.	Exceeded goals **12/31/2019** *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 217 complaints and/or maintenance needs .
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.	1. Maintain SOP for waste disposal. 2. Ensure compliance with 30 TAC Chapters 330 and 335.	Met goals **1/1/2019** *SOP for Waste Removal* The City maintained a Standard Operating Procedure for the disposal of waste removed from the MS4. The SOP defines the responsibilities of Streets Division personnel

			for clearing and disposing of waste collected from the MS4. **1/1/2019** *30 TAC Chapters 330 and 335* The City's Municipal Solid Waste (MSW) facility receives waste in accordance with their Site Operating Plan, which is located in MSW permit number 996C, Attachment 14. The City's Garbage collection and disposal ordinance (Article VI) also contains provisions that outline citizens' responsibility in the waste collection process.
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 written complaints within the District. 2. Perform annual maintenance reviews and prepare report 3. Make necessary repairs to District facilities	Met goals **12/31/2019** *Complaints, Reviews, and Repairs* No written complaints were filed in year 1. The annual maintenance review was conducted in November 2019, the draft report was prepared in December 2019, and the final will be submitted in February 2020. There are no known necessary repairs to District facilities in Grand Prairie at this time
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. Maintain a SOP for waste disposal	Met goal **1/1/2019** *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.
5.6 Street Operation and Maintenance ***(TMDL)***	Remove solid pollutants from the streets to avoid contamination of the storm	1. Sweep business district, thoroughfares and some public	Met goal **12/31/2019**

	sewer system and dispose of properly to avoid reentry into the MS4.	parking lots on an annual basis and more often on high traffic roads 2. For paved areas outside of the sweeping program, the City will focus implementation of other trash and litter control procedures or provide inlet protection measures 3. The City will require that all non-prohibited materials be disposed of at a Type I landfill	*Street Sweeping* Sweeping Services of Texas, Operating LP is the city's contractor to sweep the business district, major thoroughfares and some public parking lots on an annual basis. In 2019, they collected 165.33 of debris from our city streets. **12/31/2019** *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 2019, they collected 168.31 tons of litter. (See also BMP 2.16) **1/1/2019** *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 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 observes an illicit	Met goals **12/31/2019** *Disseminating IDDE Video* 526 employees watched "Preventing Storm Water Pollution: What We Can Do". **12/31/2019** 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: -

		discharge. 3. Purchase and distribute IDDE posters for display in applicable facility buildings.	Fleet Services Streets Landfill Airport Parks and Recreation Engineering Water Utilities Field Office **12/31/2019** *Miscellaneous Training* Employees attended Basic Dry Weather Field Screening workshop, Illegal Dumping workshop and EPA Region 6 Stormwater Conference to continue education and training.
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 **12/31/2019** 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. All of activities required for 69 BMPs designated for Year 1 were completed.
5.9 Contractor Compliance	Ensure contractors performing maintenance on City facilities meet program requirements and are provided oversight.	1. Contractually require contractors to comply with stormwater controls, good housekeeping practices, and facility specific stormwater management procedures	Met goals **12/20/2019** *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

		2. Inspect 10% of the contractors annually to ensure contractors are using appropriate control measures and SOPs	Fertilizer and Pesticide Application, Road and Bridge Maintenance and Repair. In 2019, a list of all active city contractors was compiled and out of the 44 active city contractors, 6 contractors were inspected randomly to ensure appropriate control measures were implemented.
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. Maintain list of City O&M activities that have the potential to discharge pollutants into the MS4 4. Annually inspect pollution prevention measures and keep a log of inspections	Met goals **12/31/2019** *P2 Measures* The City maintained the list of O&M activities that have the potential to discharge pollutants into the MS4. 13 high priority city facilities were inspected in 2019.
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 **12/31/2019** *Annual inspections* In 2019, retention/detention ponds were inspected at twenty-one (21) City owned facilities. In addition, other structural controls, such as vegetative swales and rip-rap, were inspected during City facility inspections. 2 of the ponds needed maintenance.
5.13 Mosquito Management Program	Maintain mosquito management methods that will not result in illicit discharges to the MS4.	1. Maintain integrated mosquito management methods when handling and applying pesticides 2. Use low toxicity bio-controls for larvae control	Met goals **12/31/2019** *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". **12/31/2019** *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.
5.14 Facility Inventory	Develop and maintain a facility and stormwater control inventory for City owned and operated facilities.	1. Maintain a list of City facilities that have the potential to discharge pollutants into the MS4	Met goal **12/31/2019** *Stormwater Controls* A list of City facilities that have the potential to discharge pollutants into the MS4 was maintained. The list includes permit numbers, registration numbers, and authorizations for each.
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. Develop SOP, or maintain equivalent existing plan, for each facility identified in BMP 5.15. SOP or plan will identify BMPs to be installed, implemented, and maintained.	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

		2. 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	facilities.
5.17 Inspect City Facilities	Inspect City facilities for Best Management Practices.	1.Maintain inspection form for City facilities 2. Inspect high priority facilities identified in BMP 5.15 annually	Met goal **12/31/2019** 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.
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. Educate pesticide, fertilizer, and herbicide applicators and distributors on proper management techniques and ensure necessary certifications and permits are obtained 2. When applicable, include chemical application schedule	Met goal **12/31/2019** *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.

		in landscape and pesticide contracts to minimize discharges of pollutants due to irrigation or expected precipitation 3. Properly collect and dispose of unused pesticide, herbicide, & fertilizer	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.
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 the approach to implementation in the 2019 SWMP after approval by TCEQ. 2.Document in a memo to file additional staff or program needs to meet permit requirements or City goals by December.	Met goals 12/31/2019 Approach to implementation of the BMP was documented in 2019 SWMP. Need for additional staff was documented.
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 2. Enforce failure to apply for or obtain permit coverage	Exceeded goals **12/31/2019** *Applications, Enforcement and Inspections* 100% of industries were provided applications for NPDES or TPDES coverage, when applicable. Notices of Violations and/or citations were given to facilities that failed to apply for or obtain stormwater coverage. In 2019, 17 industries with NOI and SWPPP and 12 industries with NEC were inspected.

		3. Perform inspections once every 3 years to ensure compliance with the stormwater permit and to ensure control measures for discharges are met	
6.2 Existing SWP3s	The City maintains SWP3s for Multi-Sector General Permit sites, as required by the general permit TXR05000.	1. Ensure compliance with, maintain, and update SWP3s for the permits at the two existing regulated facilities	Met goals **12/31/2019** *SWP3 Requirements* All SWP3 requirements were met in Year 1.
		2. Review the SWP3s annually for any changes required	**12/30/2019** *Annual Inspections* Annual comprehensive compliance inspections were conducted for each MSGP City facility. The Landfill was inspected on 12/30/19 and the Airport was inspected on 12/27/19.
		3. Inspect both the two sites annually	
		4. Ensure that required annual SWP3 training is conducted	**12/31/2019** *Training for City MSGP Sites* A training video was shown to City staff at the two MSGP facilities. Three (3) Airport personnel watched *Preventing Storm Water Pollution – What We Can Do* on 11/5/2019 and twenty eight (23) Landfill personnel watched *SPCC by the Number* that also addresses stormwater pollution prevention on 10/31/2019.

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 including results of the 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.**

   North Fork Fish Creek (Segment Id 0841Q) was identified as impaired segment in 2018 Texas Integrated Report - Texas 303(d) List. TMDL has been approved by EPA. Bacteria is identified as the cause of impairment.

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 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. Maintain 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	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 1.1 Activities Completed

12/31/2019

HHW Events

The Environmental Quality Division held nine (9) Household Hazardous Waste events during the reporting period. During this time 1,776 households

participated in the events. The City distributed "Earth Saver" wheels and Household Hazardous Waste magnets to all the participants. Approximately 84,143 pounds of hazardous waste products were recycled.

During this reporting period, nine (9) 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 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 1.

<u>BMP 1.2 Activities Completed</u>

12/31/2019
"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 1.

12/31/2019

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 .

12/31/2019

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 1.

<u>BMP 1.3 Activities Completed</u>

9/25/2019

Environmental Compliance Workshops

The Environmental Quality Division held four Environmental Compliance Workshops during the reporting period. On January 15, 2019, Anthony Incristi and Stan Lewis presented on *OSHA's whistleblower Portection program*; on April 16, 2019, Jody Cason with the City of Grand Prairie , discussed *Housekeeping Matters;* on July 24, 2019, Ted Wyman, presented Health Effects and Regulations of Asbestos*;* and on September 25, 2019 the City hosted the Annual Awards Luncheon where P2 awards were given to three industries and twelve industries were given awards for 100% Complaince. David James presented *Pollution Prevention Strategies*.

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 selected facilities during routine inspections.	1. Distribute informative brochures to 50% of the industrial facilities and food permit holders inspected each calendar year 2. Make available on the City website	Environmental Services Department, Environmental Quality Division	Years 1 – 5 Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 1.4 Activities Completed

12/31/2019
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.

01/1/2019
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 Certificate of Occupancy inspections 2. Maintain auto related business BMPs on the City website 3. Maintain mailing list of ARB and industrial	Environmental Services Department, Environmental Quality Division, Code Enforcement	Years 1 – 5 Years 1 – 5 Years 1- 5

	facilities and electronically mail out annually informative material regarding stormwater BMPs 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 1.

BMP 1.5 Activities Completed

12/31/2019

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 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.

12/31/2019

AutoWatch

Autowatch Newsletter featuring environmental issues specific to autotmotive related businesses was distributed to at least 600 businesses.

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. Purchase Major Rivers© or similar curriculum as needed for additional Grand Prairie ISD classrooms	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 1.6 Activities Completed
01/03/2020
Major Rivers Order
The City purchased 80 English and 30 Spanish replacement Major Rivers Educational Packets for GPISD.

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 1 BMP.

BMP 1.7 Activities Completed
12/31/2019
Pipeline Articles
The City distributed stormwater related articles with the water utility bill. Nine (9) Pipeline articles contained information on household hazardous waste issues and events, one (1) contained information benefits of rain harvesting and reduce the effect on stormwater, one (1) contained information about Love water, Love Life art contest that encouraged citizens to submit art on how to protect watersheds, one (1) contained information on how to properly handle grass clippings, one (1) discussed trash-off events being held by the City, one (1) sought volunteers for a City hosted stream clean-up, two (2) educated the reader on removing standing water to prevent mosquito breeding, one (1) contained information on how to report pollution, one (1) contained information on how to report illegal dumping, two (2) educated the reader on the need to keep grease from the entering the drain, one (1) discussed how to prevent pet waste pollution, one (1) discussed how to prevent vehicle fluid spills, 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. Provide and maintain Stormwater Pollution Prevention information on the City's website		Years 1 – 5
		4. Require viewing of stormwater related video for new employee.		Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 1.8 Activities Completed

12/31/2019
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)

12/312019
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.

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.

12/31/2019
New Employee Orientation
Presented "Preventing Storm Water Pollution: What We Can Do" video to 526 employees using the City's new Onboard system.

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 educational materials in Spanish, when available.	Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 1.9 Activities Completed

1/1/2019
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 1 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.

12/31/2019
Storm Drain Labeling
208 storm drain makers were placed in 2019.

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 1.

BMP 1.11 Activities Completed

Public Education Events
The City hosted *Guys Night Out* on 6/5/2019 , *Cyclin with the Mayor at Prairie Lights* on 11/25/2019 and *Mountain Creek Lake Park* on 12/14/2019. Staff distributed stormwater related educational materials, had interactive games for the attendees, and demonstrated the EnviroScape. Approximately 320, 500 and 100 people were in attendance, respectively.

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. Continue to make the Illegal Dumping Hotline available on the City's Code Enforcement website	Planning and Development Department, Code Enforcement Division, Environmental Services Department, Environmental Quality Division	Years 1 – 5

All activities for this BMP are 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*
2.1 Maintain a GIS Database of the MS4 (TMDL)	Maintain an updated map of the locations of all outfalls and the names of all receiving US surface waters.	1. Maintain current drainage system map, including outfalls, using asbuilts, aerial images, and/or through field verification	Environmental Services Department, Environmental Quality Division and Information Technology Department, GIS Division	Year 1 – 5

All activities for this BMP are complete for Year 1.

BMP 2.1 Activities Completed

12/31/2019

Drainage System Map Maintenance

The outfall map with receiving US Waters is continuously reviewed and updated primarily using Engineering asbuilts and then error-corrected using orthographic photos (aerials). Differences noted in the field are reported and print corrected.

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. Maintain and document the process for selection of priority areas. 2. Map priority areas	Environmental Services Department, Environmental Quality Division	Year 1 Year 2

All activities for this BMP are complete for Year 1.

BMP2.2 Activities Completed.

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.

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 1.

BMP 2.3 Activities Completed

12/31/2019
Dry Weather Field Screening
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, 71 outfalls were screened for illicit discharges.

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. Maintain 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 1.

BMP 2.4 Activities Completed

1/1/2019
The Digital Health Department Database
The Environmental Quality Division uses the *Digital Health Department*, a Web based database, to track all citizen complaints regarding stormwater.
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12/31/2019
Investigate Complaints
The Environmental Quality Division investigated well over 80% of residential complaints within five (5) working days. Twenty four (24) spills and eight (8) 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. Maintain standard operating procedures for responding to spills	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Maintain standard operating procedures for responding to illicit discharges		Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 2.5 Activities Completed

1/1/2019
Spill Response SOPs
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.

1/1/2019
The City maintained a standard operating procedure for responding to illicit discharges.

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.	1. Conduct source investigations 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 all illicit discharges/spills believed to be an immediate threat to human health or the environment		Years 1 – 5
		3. Notify the responsible party and require the responsible party to take all corrective actions necessary		Years 1 – 5
		4. Notify adjacent permitted MS4 operator or the TCEQ if an illicit discharge/spill extends outside of Grand Prairie's boundary		Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 2.6 Activities Completed

12/31/2019

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 2019, one spill that occurred at the Grand Prairie Municipal Airport was reported and a remediation report was submitted within 30 days to the TCEQ. The City also documents all details of the incident into the Digital Health Department database. If the discharge/spill reaches or is expected to reach a neighboring MS4, the City notifies the operator of that MS4. Dry weather field screening is performed during follow-up 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 1.

BMP 2.7 Activities Completed

12/31/2019

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 2019, twelve (12) emergency responder meetings were conducted. Twenty four (24) spills and eight (8) 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. Continue to review at least 80% of new commercial construction plans for water quality hazards 2. Continue to 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 1.

BMP 2.9 Activities Completed

12/31/2019

Certificate of Occupancy Inspections and Building

The Environmental Quality Division received 723 Certificate of Occupancy applications and 541 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. Continue to make the Illegal Dumping Hotline available on the City's Code Enforcement and Environmental Services website 2. Distribute information on illicit discharges and contacts for reporting illicit discharges in the City's water bill annually 3. Continue efforts to remove all 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 1 BMP.

BMP 2.10 Activities Completed

1/1/2019
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.

12/31/2019
Article on Reporting Illicit Discharges
The City published and distributed an article with information on grease blockage and how to report pollution, how to report illegal dumping and how to prevent vehicle fluid spills in the *Pipeline* (a water bill newsletter insert) on 01/2019, 08/2019, 10/2019, 11/2019.

12/31/2019
Illegal Dumping Response
The City responded to approximately 98 illegal dumping complaints in 2019. Complaints included illegally dumped brush, trash, tires, furniture, hazardous waste, etc. Once on site, City staff cleaned up the debris or required the property owner or responsible party to do so. Citations and warnings were issued as necessary. Illegally dumped debris was usually removed within a week of receiving the complaint, but was always removed within 30 days.

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 1 BMP.

BMP 2.11 Activities Completed

12/31/2019
Stream Sampling
The Environmental Quality Division has voluntarily conducted stream sampling since 1986. Currently, 25 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. Maintain the plan for Water Utilities and Environmental Services to respond to SSOs	Environmental Services Department, Public Works Department, Water Utilities Division	Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 2.12 Activities Completed

01/01/2019

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.

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 1 BMP.

BMP 2.13 Activities Completed

12/31/2019

Educational Brochures, and Newsletters

Three public events were held where general public was distributed with brochures. 32 industries in the City possess waste water discharge permit and approximately 600 Auto Related Businesses exist within the City limits. Newsletters with stormwater related messages were emailed to 443 industry representatives and to approximately 300 Auto Related businesses. 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.

12/31/2019

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, watershed protection, stream cleanup events, pet waste, and fertilizer and pesticides (See also BMP 1.8)

12/31/2019

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)

01/01/2019

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. (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 applicable facility buildings.		Year 1

All activities for this BMP are complete for Year 1.

BMP 2.14 Activities Completed

12/31/2019
Disseminating IDDE Video
526 employees watched "Preventing Storm Water Pollution: What We Can Do".

12/31/2019
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

12/31/2019
Miscellaneous Training
Employees attended Basic Dry Weather Field Screening workshop, Illegal Dumping workshop, TCEQ Trade Fair and EPA Region 6 Stormwater Conference 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 1.

BMP 2.16 Activities Completed

12/31/2019
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 2019, they collected 168.31 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 1.

BMP 2.17 Activities Completed

09/30/2019
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 2019.

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 abated.	1. Maintain the permitting of sewage systems	Environmental Services Department, Environmental Quality Division	Years 1 – 5
		2. Respond to onsite sewage systems within 10 days of receiving complaint and enforce as necessary		Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 2.18 Activities Completed

12/31/2019
Complaints and Enforcement
Zero complaint was received in Year 1.

12/31/2019
Permitted OSSFs
Zero OSSF was permitted in Year 1.

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 1 BMP.

BMP 2.19 Activities Completed

12/31/2019
ARB Inspections
The Environmental Quality Division inspected 95.52% 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 1.

BMP 2.20 Activities Completed

12/31/2019
Grease Trap Compliance Report
During 2019, over 80% of food services were inspected. In 2019, Grand Prairie received 3,970 trip tickets for grease or sand traps pump events out of the 4,050 events due. This is a compliance rate of 98%. Eighty (80) 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 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 1.

BMP 2.21 Activities Completed

12/31/2019
Horse Stable Inspections
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
2.23 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 reporting of overflows is 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 1.

BMP 2.23 Activities Completed

12/31/2019
Sanitary Sewer and Lift Station Improvements and Overflow Reporting
100% of the 1666 service requests received were completed in 2019. Improvements were made to sanitary sewer systems and lift stations, as needed. 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. Maintain a computer maintenance and management system to track 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 storm sewer and drainage maintenance through City Works Management System		Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 5.1 Activities Completed

12/31/2019
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 217 complaints and/or maintenance needs .

BMP	BMP Description	Measurable Goals	Responsibility	Target Date
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.	1. Maintain SOP for waste disposal 2. Ensure compliance with 30 TAC Chapters 330 and 335	Environmental Services, Environmental Quality and Solid Waste Division	Years 1 – 5 Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 5.2 Activities Completed

1/1/2019
SOP for Waste Removal
The City maintained a Standard Operating Procedure for the disposal of waste removed from the MS4. The SOP defines the responsibilities of Streets Division personnel for clearing and disposing of waste collected from the MS4.

1/1/2019
30 TAC Chapters 330 and 335
The City's Municipal Solid Waste (MSW) facility receives waste in accordance with their Site Operating Plan, which is located in MSW permit number 996C, Attachment 14. The City's Garbage collection and disposal ordinance (Article VI) also contains provisions that outline citizens' responsibility in the waste collection process.

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 written complaints within the District 2. Perform annual maintenance reviews and prepare report 3. Make necessary repairs to District facilities	Dallas County Flood Control District #1	Years 1 – 5 Years 1 – 5 Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 5.3 Activities Completed

12/31/2019 ***Responsible Party: Dallas County Flood Control District #1***

Complaints, Reviews, and Repairs

No written complaints were filed in year 1. The annual maintenance review was conducted in November 2019, the draft report was prepared in December 2019, and the final will be submitted in February 2020. 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. Maintain a SOP for waste disposal	Dallas County Flood Control District #1	Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 5.4 Activities Completed

1/1/2019 ***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
5.6 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. Sweep business district, thoroughfares and some public parking lots on an annual basis and more often on high traffic roads	Environmental Services Department, Solid Waste Division	Years 1 – 5
		2. For paved areas outside of the sweeping program, the City will focus implementation of other trash and litter control procedures or provide inlet protection measures		Years 1 – 5
		3. The City will require that all non-prohibited materials be disposed of at a Type I landfill		Years 1 – 5

All activities for this BMP are complete for Year 1.

BMP 5.6 Activities Completed

12/31/2019
Street Sweeping
Sweeping Services of Texas, Operating LP is the city's contractor to sweep the business district, major thoroughfares and some public parking lots on an annual basis. In 2019, they collected 165.33 of debris from our city streets.

12/31/2019
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 2019, they collected 168.31 tons of litter. (See also BMP 2.16)

1/1/2019
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 field staff and keep materials and attendance lists at the Environmental Quality Division office	Environmental Services Department, Environmental Quality Division	Year 2
		2.Provide 250 vehicle decals annually with contact information in the event staff observes an illicit discharge.		Year 1-5
		3. Purchase and distribute IDDE posters for display in applicable facility buildings.		Year 1

All activities for this BMP are complete for Year 1.

BMP 5.7 Activities Completed

12/31/2019
Disseminating IDDE Video
526 employees watched "Preventing Storm Water Pollution: What We Can Do".

12/31/2019
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

12/31/2019
Miscellaneous Training
Employees attended Basic Dry Weather Field Screening workshop, Illegal Dumping workshop and EPA Region 6 Stormwater Conference to continue education and training.

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. 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 nine (9) Household Hazardous Waste events during the reporting period During this time 1,776 households participated in the events. Approximately 84,143 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.	Twelve (12) out of the thirty (32) 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 number of violations decreased from 253 in 2018 to 166 violations in 2019.
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.	The City purchased 80 English and 30 Spanish replacement Major Rivers Educational Packets for GPISD. 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. Twenty three (23) 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. 208 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). In 2019, 71 of the City's outfalls were inspected for anomalies during dry weather screening. Of those screened, 14 were observed with flow; however, only 2 of the outfalls with flow were determined to be illicit discharges requiring remediation..
Bacteria	2.4	Complaint Response and Database	Investigate all citizen complaints and maintain a database of all citizen complaints regarding illicit discharges. All citizen complaints are to be investigated.	Tracks spills and creates historical information for assessment. Creates response mechanism. Incidents such as spills, illicit discharges, or sanitary sewer overflows are mitigated. Twenty four (24) Spills and eight (8) SSOs were investigated and resolved in 2019.
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	Abates pollutants in our waterbodies.

			contractor for clean-up and remediation.	
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 98 illegal dumping complaints in 2019.
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 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	Ensures City staff that may come into contact with or otherwise observe an illicit discharge or illicit connection has the proper education and training.

			education and training (see also BMP 5.7).	
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 168.31 tons of litter 2019. 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 2019, zero OSSF complaint was received and no permit was 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. In 2019, Grand Prairie received 3,970 trip tickets for grease or sand traps pump events out of the 4,050 events due. This is a compliance rate of 98%. Eighty (80) 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 2019, seventeen (17) horse stables were inspected.
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 2019, the City responded to 217 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	5.4	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. *Street Sweeping* In 2019, street sweeping operations collected 165.33 tons of litter and the litter crew collected 168.31 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 nine (9) Household Hazardous Waste events during the reporting period During this time 1,776 households participated in the events. Approximately 84,143 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.	The City purchased 80 English and 30 Spanish replacement Major Rivers Educational Packets for GPISD. 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. Twenty three (23) 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. 208 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. 98 investigation were conducted in 2019
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). In 2019, 71 of the City's outfalls were inspected for anomalies during dry weather screening. Of those screened, 14 were observed with flow;

				however, only 2 of the outfalls with flow were determined to be illicit discharges requiring remediation.
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. Twenty four (24) spills and eight (8) SSOs were investigated and resolved in 2019.
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 98 illegal dumping complaints in 2019.
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 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 168.31 tons of litter 2019. 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 no 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. In 2019, Grand Prairie received 3,970 trip tickets for grease or sand traps pump events out of the 4,050 events due. This is a compliance rate of 98%. Eighty (80)

				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	2.23	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 2019, the City responded to 217 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	5.4	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 2019, street sweeping operations collected 165.33 tons of litter and the litter crew collected 168.31 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	1.2-1.10, 1.19, 2.14, 5.7	Multiple BMPs	Educational opportunities	In addition to BMPs 1.6, 1.7, 1.11, and 1.1 listed below, the City performed 12 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.	The City purchased 80 English and 30 Spanish replacement Major Rivers Educational Packets for GPISD. 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 water utility bill insert.	This is the most widely read city publication. Twenty three (23) stormwater related articles were published and distributed during this reporting period.
Bacteria	1.11	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. 208 storm drain makers were placed during this reporting period.
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 nine (9) Household Hazardous Waste events during the reporting period. During this time 1,776 households participated in the events .Approximately 84,143 pounds of hazardous waste products were recycled.
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. Twenty four (24) spills and eight (8) SSOs were investigated and resolved in 2019.
Bacteria	2.16	Litter Collection	Keeping the major thoroughfares clean and free	The Litter Crew collected 168.31 tons of litter 2019. By preventing litter from remaining in the

			of litter will reduce the amount of floatables that reach water ways. A contractor is employed to clear litter from these roadways.	environment, both surface and groundwater are protected from potential contamination associated with it.
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 98 illegal dumping complaints in 2019.
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 no permit was 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. In 2019, Grand Prairie received 3,970 trip tickets for grease or sand traps pump events out of the 4,050 events due. This is a compliance rate of 98%. Eighty (80) 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.	In 2019, 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 2019, the City responded to 217 complaints and/or maintenance needs.
Bacteria	5.6	Street Operation and Maintenance	Remove solid pollutants from the streets to avoid contamination of the storm sewer system and dispose of	Street sweeping and litter crews remove contaminants thereby reducing the associated risk to the environment.

			properly to avoid reentry into the MS4.	In 2019, street sweeping operations collected 165.33 tons of litter and the litter crew collected 168.31 tons of litter.

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 2 (the next reporting year) are described by the Target Date.

MCM(s)	BMP	BMP Description	Storwmater 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
			4. Maintain contract with Forth Worth annually to allow Grand Prairie citizens to drop off HHW at the Environmental Collection Center	Years 1-5
			5. Annually hold at least 1	Years 1-5

			HHW collection event in Grand Prairie	
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.	2. 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. Make 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
			2. Maintain auto related business BMPs on the City website	Years 1 – 5

			3. Maintain mailing list of ARB and industrial facilities and electronically mail out annually informative material regarding stormwater BMPs	Years 1- 5
			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. Purchase Major Rivers© or similar curriculum as needed for additional Grand Prairie ISD classrooms	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 viewing of stormwater related video for	Years 1 – 5

			new employee.	
			5. Maintain *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 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. Maintain link to the Clean Rivers Program's website 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 newsletter to 80% of the City's water customers	Years 1 – 5
1: Public	1.14 H_2O Line	Produce and distribute a newsletter to selected	1. Produce and distribute a	Years 1–5

Education, Outreach, and Involvement		industrial sectors featuring stormwater topics.	newsletter promoting pollution prevention awareness to at least 200 businesses annually	
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. Continue to make the document 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.	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
	1.18 Master Composter Program	Involve the public in lawn and garden compost waste training that will encourage reductions in fertilizer and pesticide use.	1. Conduct at least 1 Master Composter class per year	Years 1 – 5

		Participants receive hands-on training and can become a Certified Master Composter.	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. Continue to make the 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	2.1 Maintain a GIS Database of	Maintain an updated map of the locations of all outfalls location of MS4 owned or operated	1. Maintain current drainage system map, including	Years 1 –5

Detection and Elimination	the MS4 *(TMDL)*	facilities, stormwater controls and the names of all receiving US surface waters.	outfalls; using asbuilts, aerial images, and/or through field verification	
2: Illicit Discharge Detection and Elimination	2.2 Priority Areas *(TMDL)*	Update priority areas within the city likely to have an illicit discharge	1. Maintain and document the process for selection of priority areas.	Year 1
			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.	3. Maintain the complaint database	Years 1 – 5
			4. Maintain a response of 80% within 5 days	Years 1 – 5
2: Illicit Discharge Detection and Elimination	2.5 Illicit Discharge and Spill Procedures *(TMDL)*	Develop and maintain procedures for responding to illicit discharges and spills.	1. Maintain standard operating procedures for responding to spills	Years 1 – 5
			2. Maintain standard operating procedures for responding to illicit discharges	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 to identify and locate illicit discharges as soon as practicable and	Years 1 – 5

			document all observations, field and lab measurements, and follow up investigation reports.	
			2. Report to the TCEQ all illicit discharges/spills believed to be an immediate threat to human health or the environment	Years 1 – 5
			3. Notify the responsible party and require the responsible party to take all corrective actions necessary	Years 1 – 5
			4. Notify 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 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	Year 3

			locations	
			3. Install the structural controls	Year 4
			4. Collect floatable materials from the structural control twice a year.	Year 5
			5. Estimate 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. Continue to review at least 80% of new commercial construction plans for water quality hazards	Years 1 – 5
			2. Continue to 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. Continue to make the Illegal Dumping Hotline available on the City's Code Enforcement and Environmental Services website	Years 1 – 5
			2. Distribute information on illicit discharges and contacts for reporting illicit discharges in the City's water bill annually	Years 1 – 5
			3. Continue efforts to remove all 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. Maintain the plan for Water Utilities and Environmental Services to respond to 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 field staff and keep materials and attendance lists at the Environmental Quality Division office	Year 2
			2. Annually provide 250 vehicle decals with contact information in the event staff observes an illicit discharge	Years 1-5
			3. Purchase and distribute IDDE posters for display in applicable facility buildings.	Year 1
2: Illicit	2.15 Stormwater	Review the stormwater ordinance for necessary	1. Review the stormwater ordinance for necessary	Year 2

Discharge Detection and Elimination	Ordinance *(TMDL)*	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.	revisions	
			2. If revisions are needed, update the stormwater ordinance and prepare for Council approval	Year 3
			3. If revised, implement revised ordinance	Years 4 – 5
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. Maintain the permitting of 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 Discharge Detection and Elimination	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	Years 1 – 5
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 private horse stables and ensure good housekeeping practices are	Year 1 - 5

			implemented	
			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 all 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 best management practices (BMPs) 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 reporting of overflows is 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.	3. 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. 4. 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.	1. Operate under existing procedures until approval of SWMP by TCEQ.	Year 1
			2. 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 any changes to procedures in one memo to file by December.	Year 2
			4. Operate under updated procedures through the end of the permit term. 5. Maintain one copy of written City procedures onsite or in SWMP.	Years 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.	5. Operate under existing procedures until approval of SWMP by TCEQ.	Year 1
			6. Review, and update if necessary, existing procedures for City-led inspections of large and small construction projects by December. 7. Record changes to procedures in one memo to file by December.	Year 2
			8. Operate under updated procedures through the end of the permit term. 9. Maintain one copy of written City procedures onsite or in Stormwater Management Program.	Years 2-5
		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	Years 1-5

			development of one acre or more) during active construction. 4. Maintain one copy of each completed construction site inspection report.	
		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.	1. Operate under existing ordinances until approval of SWMP by TCEQ.	Year 1
			2. Document review of ordinances and necessary changes in a memo to file by December.	Year 2
			3. Create and adopt updated ordinance language by December, if necessary to meet requirements of permit. 4. Record changes to the ordinances in the annual report within 90 days of the end of the reporting period.	Year 3
			5. Operate under updated construction ordinance through 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. Operate under existing procedures until approval of SWMP by TCEQ.	Year 1
			2. 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. 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 2-5
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. Operate under existing procedures until approval of SWMP by TCEQ.	Year 1
			2. Review, and update if necessary, existing procedures for maintenance of a construction site inventory 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 2-5

MCM(s)	BMP	BMP Description	Stormwater Activity (Measurable Goals)	Target Date
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. Operate under existing procedures until approval of SWMP by TCEQ.	Year 1
			2. Review, and update if necessary, existing procedures for post-construction plan	Year 2

			review and enforcement of maintenance agreements by December. 3. Record changes to procedures in one memo to file by December.	
			4. Operate under updated procedures through the end of the permit term. 5. 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. Operate under Articles 12 and 14 of the Unified Development Code until approval of SWMP by TCEQ.	Year 1
			2. Document review of Articles 12 and 14 of the Unified Development Code and necessary changes in a memo to file by December.	Year 2
			3. Create and adopt updated post-construction stormwater management criteria by December, if necessary to meet	Year 3

			requirements of permit. 4. Record changes to the post-construction stormwater management criteria in the annual report within 90 days of the end of the reporting period.	
			5. Operate under updated Articles 12 and 14 of the Unified Development Code through 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.	**1.** Operate under existing procedures until approval of SWMP by TCEQ.	Year 1
			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 2-5

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. Maintain a computer maintenance and management system to track 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 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.	1. Maintain SOP for waste disposal	Years 1 – 5
			2. Ensure compliance with 30 TAC Chapters 330 and 335	Years 1 – 5
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 written complaints within the District	Years 1 – 5
			2. Perform annual maintenance reviews and prepare report	Years 1 – 5
			3. Make necessary repairs to District facilities	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 the City of	Maintain a standard operating procedure for the disposal of waste removed from the Dallas County Flood Control District #1's stormwater system.	1. Maintain a SOP for waste disposal	Years 1 – 5

	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 increased inspection (i.e. illegal dumping).	1. Update the list of potential problem areas	Year 2
			2. Identify and prioritize problem areas for increased inspection	Year 3
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. Sweep business district, thoroughfares and some public parking lots on an annual basis and more often on high traffic roads	Years 1 – 5
			2. For paved areas outside of the sweeping program, the City will focus implementation of other trash and litter control procedures or provide inlet protection measures	Years 1 – 5
			3. The City will require that all 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).	1. Disseminate stormwater training video to field staff and keep materials and attendance lists at the Environmental Quality Division office	Year 2
			2.Provide 250 vehicle decals annually with contact information in the event staff observes an illicit discharge.	Years 1-5

			3. Purchase and distribute IDDE posters for display in applicable facility buildings.	Year 1
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 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.	1. Maintain list of City O&M activities that have the potential to discharge pollutants into the MS4	Year 1
			2. Identify and list possible pollutants of concern from aforementioned O&M activities	Year 2
			3. Develop and implement pollution prevention measures for the O&M activities	Year 2
			4. Annually inspect pollution prevention measures and keep a log of inspections	Years 1 – 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.	1. Update locations of City owned and operated facilities and stormwater controls	Year 2
			2.Map locations in GIS	Year 2
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. Maintain integrated mosquito management methods when handling and applying pesticides	Years 1 – 5
			2. Use low toxicity bio-controls for larvae control	Years 1 – 5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.14 Facility Inventory	Develop and maintain a facility and stormwater control inventory for City owned and operated facilities.	1. Maintain a list of City facilities that have the potential to discharge pollutants into the MS4	Year 1
			2. Update the list of stormwater controls for each facility	Years 2-5
			3. Include applicable permit numbers, registration numbers, and authorizations for each facility or control	Years 2-5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.15 Facility Assessment	Identify high priority facilities and document results.	1. Review facilities identified in BMP 5.14 for potential to discharge pollutants into stormwater	Year 2
			2. Review high priority facilities, including City maintenance yards and fuel storage locations. Use checklist during	Year 2

			assessment	
			3. Document results. Maintain copies of site evaluation checklists and any identified deficiencies and corrective actions taken	Year 2
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	1. For each facility identified in BMP 5.15maintain SOP that will identify BMPs to be installed, implemented, and maintained	Year 1
			2. 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 1
			3. Review and update the SOP	Year 5
5: Pollution Prevention/Good Housekeeping for Municipal Operations	5.17 Inspect City Facilities	Inspect City facilities for Best Management Practices.	1. Maintain inspection form for City facilities	Years 1-5
			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. Develop SOP describing the frequency of city facility inspections and how they will be conducted.	Year 3
5: Pollution Prevention/Good Housekeeping for	5.18 Pesticide, Herbicide, and Fertilizer	Evaluate landscape and pesticide management for City owned and operated areas and ensure proper	1. Educate pesticide, fertilizer, and herbicide applicators and distributors on proper management techniques and	Years 1– 5

Municipal Operations	Application and Management	management techniques are being implemented in order to decrease pollutants to the MS4.	ensure necessary certifications and permits are obtained.	
			2. When applicable, 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 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 the approach to implementation in the 2019 SWMP after approval by TCEQ. 2.Document in a memo to file additional staff or program needs to meet permit requirements or City goals by December.	Year 1
			3.Create one inventory of existing City-owned flood control devices including evaluation of the existing pollutant removal capacity of the devices by December	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	Year 4

			control devices that can be retrofitted for additional pollutant removal by December.	
			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	Years 1 – 5
			2. Enforce failure to apply for or obtain permit coverage	Years 1 – 5
			3. Perform inspections 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. Ensure compliance with, maintain, and update SWP3s for the permits at the two existing regulated facilities	Years 1 – 5
			2. Review the SWP3s annually for any changes required	Years 1 – 5
			3. Inspect both the sites annually	Years 1 – 5
			4. Ensure that required annual SWP3 training is conducted	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: 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) are already implemented for newly identified impaired segment –North Fork Fish Creek (0841Q) to ensure compliance with applicable TMDL.

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	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 written complaints within the District	Dallas County Flood Control District #1	Years 1 – 5
		2. Perform annual maintenance reviews		Years 1 – 5

(excluding the City of Grand Prairie – see BMP 5.1) ***(TMDL)***		and prepare report		
		3. Make necessary repairs to District facilities		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. Maintain a 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):** 43

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: 12/31/2019

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 2019.

January 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	1/9/2019	7	10.2	6.51	2.2	10.25	0	3973
12	1/9/2019	7	10.88	6.42	3.2	9.5	0.33	8
17	1/9/2019	12	10.18	7.56	17	12.37	0.17	32
20	1/9/2019	11	10.87	7.15	9.2	9.97	0.1	47
22	1/9/2019	7	10.11	6.67	3.6	6.39	0.1	1733
25	1/9/2019	9	11.19	6.04	1.5	9.95	0.05	94
26	1/9/2019	9	9.04	6.2	2.7	11.81	0	216
27	1/9/2019	9	9.9	6.39	3.1	10.23	0	15
28	1/9/2019	9	10.38	6.21	3.6	10.49	0	177
29	1/9/2019	12	11.7	7.05	8.5	10.8	0	40
30	1/9/2019	11	10.65	7.45	10	10.74	0	22
31	1/9/2019	9	9.85	7.3	9.8	10.56	0	90
3	1/10/2019	8	9.97	7.68	8.7	10.88	0.04	40
5	1/10/2019	8	8.45	7.51	4.5	9.85	0.04	34
6	1/10/2019	8	10.58	7.64	31	10.73	0.45	74
7	1/10/2019	8	15.5	7.09	1.8	8.6	0	109
8	1/10/2019	8	11.97	7.76	4.2	10.06	0.16	2
11	1/10/2019	8	9.22	7.39	6.8	10.09	0.06	2022
15	1/10/2019	8	10.91	7.11	5.8	9.56	0.12	83
18	1/10/2019	8	9.9	7.9	38	11.53	0.01	59
19	1/10/2019	8	9.63	7.88	95	11.59	0	922
23	1/10/2019	8	9.73	7.62	14	10.78	0	71
24	1/10/2019	8	10.07	7.52	8.3	9.57	0.13	17

February 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
28	2/18/2019	3	8.97	7.92	4.4	12.72	0	570
9	2/18/2019	2	8.55	7.63	2.2	12.2	0	145
12	2/18/2019	2	10.06	7.63	3.2	10.6	0.07	2
17	2/18/2019	4	10.24	8.19	10	11.82	0	8
20	2/18/2019	4	10.04	8.05	4	11.74	0	2
22	2/18/2019	2	6.48	7.37	6.2	9.98	0	1034
25	2/18/2019	2	9.26	7.7	1.8	10.58	0	19
26	2/18/2019	3	8.04	7.86	1.7	13.19	0	1095
27	2/18/2019	3	7.21	7.96	2.5	12.62	0	22
28	2/18/2019	3	8.94	7.92	4.4	12.72	0	570
29	2/18/2019	4	9.74	7.98	2.2	12.17	0	129
30	2/18/2019	4	8.85	7.99	6.5	11.64	0	69
31	2/18/2019	4	8.19	8.01	3.8	11.32	0	48
3	2/20/2019	7	8.27	7.83	21	11.58	0	1549
5	2/20/2019	6	7.79	7.63	13	10.41	0.07	406
6	2/20/2019	7	10.48	7.73	33	10.17	0	179
7	2/20/2019	4	7.23	7.72	9.3	10.53	0.03	416
8	2/20/2019	9	12.17	7.82	6.2	10.91	0.17	4
11	2/20/2019	4	8.29	7.54	11	10.63	0.1	774
15	2/20/2019	4	7.23	7.42	19	10.91	0.11	3466
18	2/20/2019	11	9.69	7.95	15	11.9	0	16
19	2/20/2019	11	10.4	7.96	20	11.47	0	3266
23	2/20/2019	9	8.03	7.81	22	11.4	0	2318
24	2/20/2019	7	8.33	7.77	17	10.42	0.08	839

March 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	3/18/2019	6	12.34	6.41	3.1	9.78	0.01	155
12	3/18/2019	11	12.25	6.47	3.7	9.33	0.22	2
17	3/18/2019	20	12.94	7.78	22	10.48	0	34
20	3/18/2019	19	15.1	7.85	7.6	10.98	0	10
22	3/18/2019	6	10.72	6.48	7.4	8.6	0.06	197
25	3/18/2019	13	13.17	6.29	2.1	9.88	0.05	29
26	3/18/2019	13	12.56	6.37	1.8	11.07	0	45
27	3/18/2019	15	11.44	6.57	3.9	10.08	0.1	19
28	3/18/2019	17	13.03	7.02	4.4	10.15	0	148
29	3/18/2019	19	12.64	7.5	2.2	11.25	0	72
30	3/18/2019	18	12.98	6.84	10	9.7	0	127
31	3/18/2019	18	11.91	6.78	9.1	8.93	0	65
3	3/19/2019	15	14.1	7.89	12	9.98	0	55
5	3/19/2019	13	14.6	8.14	4.6	9.52	0	40
6	3/19/2019	15	15.5	7.97	26	9.39	0.09	52
7	3/19/2019	13	13.4	7.79	2.5	9.78	0	306
8	3/19/2019	16	14.9	7.98	6.5	9.9	0.15	2
11	3/19/2019	12	14.7	8	5.4	9.02	0.02	159
15	3/19/2019	12	14.5	8.08	14	9.08	0	148
18	3/19/2019	16	15.6	7.94	10	11.25	0	821
19	3/19/2019	17	16.1	7.88	8.6	7.68	0.95	6
23	3/19/2019	15	15.2	7.88	7.8	9.89	0	46
24	3/19/2019	14	15.2	8.06	6.5	9.58	0	63

April 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	4/16/2019	18	17.8	7.21	3.5	7.93	0.05	3106
12	4/16/2019	19	18.2	7.39	27	8.12	0.27	13
15	4/16/2019	23	18.9	7.66	18	6.96	0.2	731
17	4/16/2019	23	18.9	7.91	11	9.74	0	17
20	4/16/2019	21	20.4	7.95	9.4	8.31	0.16	87
22	4/16/2019	18	16.8	7.03	4.7	5.98	0.07	403
25	4/16/2019	19	17.9	7.43	2.1	7.98	0.15	1226
26	4/16/2019	19	18.1	7.58	1.9	9.35	0.15	387
27	4/16/2019	19	19.1	7.42	2	9.08	0.19	198
28	4/16/2019	20	18.2	7.49	3.5	8.43	0.12	731
29	4/16/2019	21	20.8	7.9	6.7	9.15	0.02	288
30	4/16/2019	21	19.2	7.71	36	8.56	0.1	690
31	4/16/2019	21	19	7.66	17	7.86	0.18	172
3	4/17/2019	21	19.2	7.78	16	8.47	0.07	91
5	4/17/2019	21	19.9	7.94	3.4	6.39	0.06	171
6	4/17/2019	21	19.3	7.77	28	8.2	0.16	247
7	4/17/2019	21	19.5	7.64	1.7	8.43	0.03	263
8	4/17/2019	21	19.3	7.82	10	8.56	0.23	2
11	4/17/2019	21	19.5	7.75	5.2	6.76	0.13	192
18	4/17/2019	21	79.3	7.94	16	9.43	0	58
19	4/17/2019	21	19.6	7.87	40	9.28	0	4839
23	4/17/2019	21	19.6	7.77	13	8.36	0.47	78
24	4/17/2019	21	19.5	7.75	6.9	6.97	0.11	90

May 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	5/7/2019	22	22	7.12	4	7.17	0.12	1302
12	5/7/2019	24	21.9	7.17	3.9	7.67	0.15	0
12	5/7/2019	24	21.9	7.17	3.9	7.67	0.15	12
17	5/7/2019	27	25.3	7.81	9.2	8.42	0.06	4
20	5/7/2019	27	25.2	7.72	13	7.59	0.18	92
22	5/7/2019	22	21	6.94	9.5	5.43	0.06	875
25	5/7/2019	23	22.8	7.39	2.8	7.48	0	287
26	5/7/2019	23	22.7	7.64	2.5	9.48	0.02	91
27	5/7/2019	23	23.6	7.49	2	8.82	0.06	0
27	5/7/2019	23	23.6	7.49	2	8.82	0.06	86
28	5/7/2019	23	23.2	7.45	3	7.8	0.08	324
29	5/7/2019	27	23	7.6	9.1	8.44	0.07	70
30	5/7/2019	25	24.4	7.48	30	7.96	0	239
31	5/7/2019	25	22.8	7.49	18	7.31	0.13	170
3	5/9/2019	22	21.7	7.73	75	7.65	0.01	6212
5	5/9/2019	21	20.8	7.97	30	8.81	0.06	9678
6	5/9/2019	22	22.3	7.87	140	7.52	0	7945
7	5/9/2019	21	22.3	7.42	7.1	8.78	0.11	4813
11	5/9/2019	19	21.6	7.52	35	7.77	0.03	7945
15	5/9/2019	19	20.5	7.28	55	7.1	0.09	9678
18	5/9/2019	23	24.4	7.92	22	9.21	0.01	4480
19	5/9/2019	22	23.8	7.82	15	8.55	0.06	2908
23	5/9/2019	23	22.5	7.79	85	7.85	0.09	7945
24	5/9/2019	22	20.2	7.63	34	7.81	0.16	4045

June 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	6/18/2019	26	25	6.64	16	6.26	0.03	3080
12	6/18/2019	26	23.1	6.55	7.8	6.03	0.2	58
15	6/18/2019	30	25.8	7.36	23	5.49	0.13	526
17	6/18/2019	28	25.4	7.42	17	8.24	0.16	8
20	6/18/2019	28	26.5	7.26	10	7.34	0.07	21
22	6/18/2019	23	24.8	6.4	17	4.58	0.13	2318
25	6/18/2019	28	23.5	6.51	5.9	6.33	0.12	568
26	6/18/2019	28	23	6.81	3.7	8.26	0.1	875
27	6/18/2019	28	23.9	7.29	65	7.03	0.25	195
28	6/18/2019	27	24.1	6.84	9.9	6.88	0.11	252
29	6/18/2019	28	23.1	7.13	3.9	9.18	0.08	104
30	6/18/2019	27	24.4	7.2	65	7.05	0.01	408
31	6/18/2019	27	24.2	7.12	13	7.19	0.22	229
3	6/19/2019	29	25.7	7.64	97.1	7.39	0.01	2747
5	6/19/2019	28	26.2	7.48	12.8	8.44	0.23	458
6	6/19/2019	28	27	7.54	51.3	7.07	0.04	362
7	6/19/2019	27	25	7.45	7.83	6.76	0.14	6932
8	6/19/2019	30	26.8	7.35	12.1	7.22	0.14	171
11	6/19/2019	24	25.6	7.01	14.3	5.81	0.1	47
18	6/19/2019	31	27.9	7.52	46.9	0.08	0	16
19	6/19/2019	31	28.5	7.54	44.8	8.12	0	1954
23	6/19/2019	29	25.9	7.51	131	7.55	0	1462
24	6/19/2019	28	26.4	7.53	14.5	7.56	0.12	2452

July 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
8	7/8/2019	23	22.4	7.64	25	8.09	0.14	48
9	7/22/2019	28	29.1	7.25	3.62	6.73	0.47	55
11	7/22/2019	34	29	6.91	6.97	5.71	0	279
12	7/22/2019	30	26.8	7.31	2.7	5.92	0.24	37
15	7/22/2019	34	29.7	7.87	13.4	6.36	0.08	17
17	7/22/2019	33	30.4	8.01	12.5	7.19	0.04	10
20	7/22/2019	33	29.9	8.19	7.28	7.85	0.001	15
22	7/22/2019	27	26.3	6.42	7.11	3.99	0.06	225
25	7/22/2019	31	28.7	7.21	2.53	2.88	2.3	4839
26	7/22/2019	31	27.6	7.51	1.34	8.72	0.06	34
27	7/22/2019	0	0	0	0	0	0	0
28	7/22/2019	32	28.8	7.69	2.93	9.58	0.07	159
29	7/22/2019	33	27	7.72	14	8.31	0.02	27
30	7/22/2019	0	0	0	0	0	0	0
31	7/22/2019	0	0	0	0	0	0	0
3	7/23/2019	26	26.6	7.2	17.1	7.07	0	192
5	7/23/2019	25	27.2	6.47	8.59	6.15	0	413
6	7/23/2019	25	27.7	6.92	23.7	6.93	0.04	65
7	7/23/2019	25	24.5	6.04	5.61	7.07	0	192
8	7/23/2019	27	25.4	7.46	9.81	6.63	0.13	54
19	7/23/2019	28	27	7.33	9.49	3.14	2.48	3973
23	7/23/2019	26	27.6	7.29	15.4	7.1	0	150
24	7/23/2019	25	27.3	6.62	8.26	3	0.15	41
18	7/26/2019	27	28.1	7.5	39.7	6.88	0	6

August 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	8/26/2019	28	29.35	6	3	5.05	0	24
11	8/26/2019	37	29.53	7.3	11.2	6.15	0.15	2092
12	8/26/2019	29	27.71	6.53	5.96	6.14	0.19	4
15	8/26/2019	38	30.8	7.48	14.3	6.55	0.18	22
17	8/26/2019	37	31.1	7.79	14.5	7.08	0.16	4
20	8/26/2019	34	28.91	7.92	18.9	5.97	0.06	2
22	8/26/2019	28	27.59	6.32	5.81	2.24	0.08	232
25	8/26/2019	29	28.69	6.89	6.09	4.07	0.21	51
26	8/26/2019	29	27.96	7.09	13.2	5.43	0.05	413
27	8/26/2019	0	0	0	0	0	0	0
28	8/26/2019	33	28.91	7.56	4.39	9.2	0.06	32
29	8/26/2019	0	0	0	0	0	0	0
30	8/26/2019	0	0	0	0	0	0	0
31	8/26/2019	0	0	0	0	0	0	0
3	8/29/2019	30	28.05	7.46	11	6.45	0.03	118
5	8/29/2019	28	28.51	7.08	4.1	5.53	0.02	139
6	8/29/2019	30	28.88	7.4	22	6.45	0.26	311
7	8/29/2019	27	25.88	6.75	7.68	5.7	0.1	472
8	8/29/2019	32	27.84	7.52	3.9	4.98	0.13	130
18	8/29/2019	32	29.56	7.62	45	8.67	0.01	6
19	8/29/2019	33	29.4	7.56	13	3.18	3.52	4839
23	8/29/2019	31	29	7.5	12	6.95	0.05	101
24	8/29/2019	28	28.93	7.25	4.5	6.2	0.27	123

September 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
5	9/17/2019	32	29.59	7.69	13	5.7	0.48	123
7	9/17/2019	32	27.31	7.66	4.2	9.7	0	29
9	9/17/2019	26	26.58	7.55	2.6	4.96	0.07	43
11	9/17/2019	29	26.96	8.56	7.8	4.74	0.11	111
12	9/17/2019	27	25.07	7.51	7	5.74	0.01	52
15	9/17/2019	29	27.91	8.41	9.2	4.23	0.13	24
17	9/17/2019	28	28.66	8.84	22	6.92	0.1	2
20	9/17/2019	28	27.01	7.59	5.6	2.6	0.27	260
22	9/17/2019	26	25.81	7.52	4.3	2.42	0.08	245
25	9/17/2019	27	27.27	7.96	3	6.66	0.15	267
26	9/17/2019	27	26.28	8.92	2.8	7.77	0.06	345
27	9/17/2019	0	0	0	0	0	0	0
28	9/17/2019	28	25.6	8.24	1.8	4.08	0.03	78
29	9/17/2019	0	0	0	0	0	0	0
30	9/17/2019	0	0	0	0	0	0	0
31	9/17/2019	0	0	0	0	0	0	0
3	9/18/2019	26	27.89	7.87	16	7.3	0.01	15
6	9/18/2019	25	28.55	7.72	12	6.85	0	20
8	9/18/2019	27	26.7	7.4	12	4.81	0.29	202
18	9/18/2019	27	28.47	7.97	80	6.78	0	2
19	9/18/2019	28	26.88	7.24	16	1.3		4839
23	9/18/2019	27	27.16	7.86	23	6.29	0.01	10
24	9/18/2019	25	27.83	7.66	4.6	5.9	0.17	4

October 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	10/15/2019	22	20.88	8.3	6.6	7.25	0.02	138
11	10/15/2019	25	20.96	7.63	5.2	6.38	0.04	263
12	10/15/2019	22	19.8	7.37	2	5.75	0.07	123
15	10/15/2019	25	20.72	7.54	10	4.01	0.25	267
17	10/15/2019	23	23.24	8.18	13	8.21	0.15	10
20	10/15/2019	23	21.65	7.86	14	5.49	0.01	37
22	10/15/2019	22	20.65	7.48	9.5	3.82	0.13	97
25	10/15/2019	23	21.76	7.66	2.6	5.81	0.08	160
26	10/15/2019	23	20.82	7.97	8.4	8.24	0.23	2407
27	10/15/2019	0	0	0	0	0	0	0
28	10/15/2019	23	20.3	7.71	3.5	7.1	0.15	345
29	10/15/2019	0	0	0	0	0	0	0
30	10/15/2019	0	0	0	0	0	0	0
31	10/15/2019	0	0	0	0	0	0	0
3	10/16/2019	14	18.46	7.81	22	8.16	0.11	321
5	10/16/2019	14	19.02	7.83	7.1	5.9	1	922
6	10/16/2019	14	22.47	7.7	17	7.11	0.13	870
7	10/16/2019	14	18.58	7.82	3.8	7.33	0.09	551
8	10/16/2019	15	19.27	7.59	5.2	6.24	0.28	54
18	10/16/2019	15	18.88	8.39	45	8.09	0.25	398
19	10/16/2019	15	18.15	7.52	50	4.41	0.47	821
23	10/16/2019	14	18.94	7.88	12	8.37	0.12	163
24	10/16/2019	14	19.58	7.47	4.7	5.6	0.17	496

November 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	11/19/2019	12	10.11	7.81	2.5	8.42	0.13	4839
11	11/19/2019	26	12.67	8.15	5	7.82	0.13	96
12	11/19/2019	13	11.06	7.71	2.3	6.5	0.03	35
15	11/19/2019	26	11.8	8.01	9	6.95	0.03	30
17	11/19/2019	26	14.39	8.37	8	9.5	0.18	2
20	11/19/2019	23	13.53	8.11	11	7.04	0.96	37
22	11/19/2019	9	10.76	7.76	7	6.12	0.18	1540
25	11/19/2019	16	12.61	7.83	2.7	7.55	0.12	55
26	11/19/2019	16	11.5	8.31	1.7	10.52	0.09	6
27	11/19/2019	0	0	0	0	0	0	0
28	11/19/2019	19	10.85	8.14	2.3	9.14	0.19	2
29	11/19/2019	25	11.71	8.34	3.8	9.31	0.1	35
30	11/19/2019	23	10.93	8.29	4.8	8.77	0.12	2
31	11/19/2019	22	9.64	7.94	2.2	5.02	0.13	2
3	11/20/2019	18	13.76	7.85	18	9.21	0.17	73
5	11/20/2019	17	14.5	8.32	2.2	9.04	0.1	64
6	11/20/2019	18	17.79	7.65	7.5	8.34	0.07	44
7	11/20/2019	17	13.96	7.88	1.7	9.16	0.09	21
8	11/20/2019	18	17.28	7.53	8.8	7.76	0.16	334
18	11/20/2019	18	14.22	8.67	19	12.46	0.15	25
19	11/20/2019	18	13.8	7.86	13	11	0.06	21
23	11/20/2019	18	15.26	8.27	5.3	10.32	0.11	38
24	11/20/2019	17	13.62	7.77	2.8	9.79	0.11	8

December 2019 Stream Sampling Results								
Stream Site Number	Date	Air Temperature	Water Temperature	pH	Turbidity	Dissolved Oxygen	Ammonia	E.Coli
9	12/17/2019	2	7.9	7.85	3.56	10.83	0.07	182
11	12/17/2019	8	8.44	8.1	7.2	11.09	0.11	80
12	12/17/2019	2	7.78	7.95	2.4	9.77	0.06	55
15	12/17/2019	8	9.74	7.5	19.7	5.6	0.19	55
17	12/17/2019	8	10.95	8.17	11.6	10.47	0.13	45
20	12/17/2019	7	9.03	8.12	7.07	10.91	0.11	10
22	12/17/2019	0	6.06	7.45	10	8.51	0.38	19
25	12/17/2019	3	9.07	7.89	2.03	9.66	0.08	29
26	12/17/2019	3	7.05	8.28	2.47	12.56	0.07	54
27	12/17/2019	0	0	0	0	0	0	0
28	12/17/2019	4	8.65	7.92	2.83	10.26	0.08	52
29	12/17/2019	7	7.32	8.32	6.64	11	0.04	37
30	12/17/2019	7	7.49	8.07	7	11.74	0.06	22
31	12/17/2019	7	7.43	7.86	4.11	9.06	0.06	24
3	12/18/2019	4	6.54	7.92	6.9	11.21	0.14	13
5	12/18/2019	1	5.85	8.06	8.94	11.12	0.04	76
6	12/18/2019	3	12.1	7.59	9.82	9.45	0.1	35
7	12/18/2019	1	5.24	7.94	4.7	11.63	0.11	57
8	12/18/2019	6	9.39	7.77	6.36	9.6	0.2	12
18	12/18/2019	7	7.43	8.24	0	11.06	0.04	35
19	12/18/2019	9	10.28	7.97	13	10.92	0.08	42
23	12/18/2019	5	6.46	8.25	5.19	12.55	0.07	6
24	12/18/2019	2	7.56	7.6	4.64	8.32	0.09	17

APPENDIX B: Beach Sampling Results

BMP 2.18 Activities Completed

09/30/2019

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.

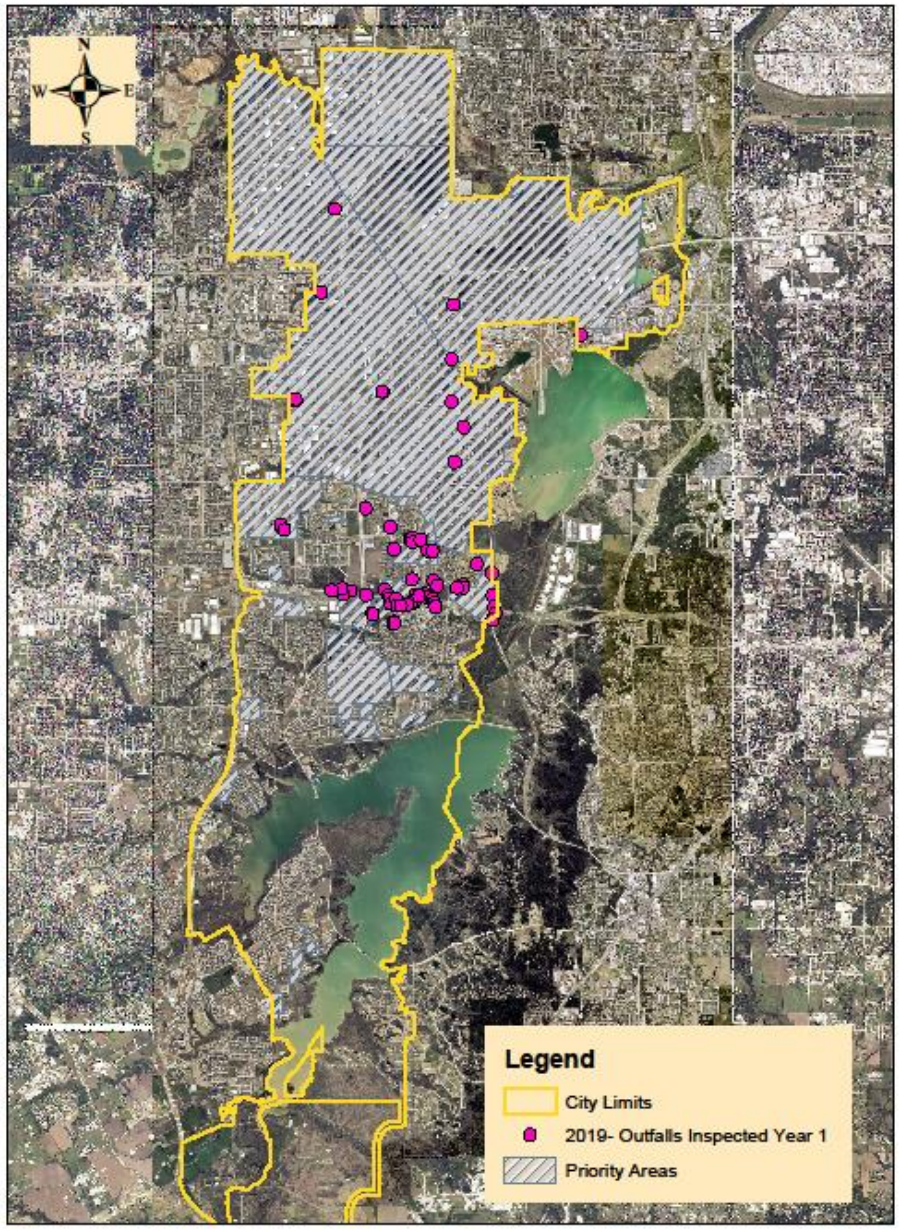
Sampling for E. coli was conducted during the summer months from May to September. The designated swimming areas in Lynn Creek and Loyd Parks met the primary contact recreation 1 criteria (where the recommended limits for the geometric mean is 126 MPN /100 mL and the single sample criterion for E. coli is 399 MPN/100 mL) in accordance with the 2014 Texas Surface Water Quality Standards §307.7(b)(1)(A)(i). See 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 2019– E COLI MPN/100ML								
Month	Loyd Park West	Loyd Park Middle	Loyd Park East	**Geo Mean**	Lynn Creek West	Lynn Creek Middle	Lynn Creek East	**Geo Mean**
May	125	64	101	**93.1**	30	97	105	**67.3**
June	189	63	323	**156.6**	203	20	31	**50.1**
July	24	34	19	**24.9**	29	8	27	**18.4**
Aug	4	4	4	**4**	44	43	21	**34.1**
Sep	2	4	4	**3.1**	2	6	8	**4.5**

APPENDIX C: Dry Weather Screening location and Results

Outfalls Inspected in 2019
n=71



Address	Date/time	Outfall illicit discharged was observed in	Resolution
3155 S Carrier Pkwy	1/22/2019	1893.	Groundwater seepage
3718 Blue Grass Dr	1/22/2019	435.	Groundwater seepage
2000 S Great Southwest Pkwy	1/22/2019	1709.	Groundwater seepage
1913 Westfield Dr	1/16/2019	1090.	Groundwater seepage
319 N Beltline Rd	1/18/2019	1029.	Gopher Creek overflow
1007 S Great Southwest Pkwy	1/18/2019	764, 719, 766.	City of Arlington fixed the water line that was damaged by their contractor which had caused the discharge.
705 Wheat Hill Dr	1/18/2019	408.	Groundwater seepage
3901 E Crossland Blvd	1/28/2019/11:00 am	482.	Groundwater seepage
3956 S Beltline	1/28/2019/9:15 am	1069 and 1070.	Storm drain was back tracked to 4 Express Car Wash at 3949 S. Belt Line Rd. where it was apparent that vehicle wash water was being discharged to the storm drain. 2019-2-8: Meeting held with owner and representatives of 4 Express Car Wash. Owner decided to check to make sure car wash is working properly and remove pre-bug washing area to help prevent discharge to the storm sewer system.
500 Westchase Dr.	02/06/2019/ 11:00 am	1761, 1762, 1763, 1764 and 591	Chlorine was detected when sampling discharge from outfall 1764. Tributary to Fish creek flows through these outfalls. Two residents were observed discharging to storm drain inlet. 1st resident was rinsing off their driveway. 2nd resident was power washing their house siding Discharge was attributed to Fish creek's tributary flowing through. Residual chlorine was most likely from 2 residents discharging to storm drain
3865 S Carrier Pkwy	02/06/2019/ 0920 am	580.	Groundwater
620 W. Westchester Pkwy	02/06/2019/ 1240 pm	689.	Groundwater
3999 W IH 20 WB	02/06/19/1:30 pm	1052.	Groundwater
4200 Matthew Road	2/25/2019 and 1050 am	518 and 519	Groundwater
1102 Macarthur Blvd	10/09/2019	2013	Iron Reducing Bacteria