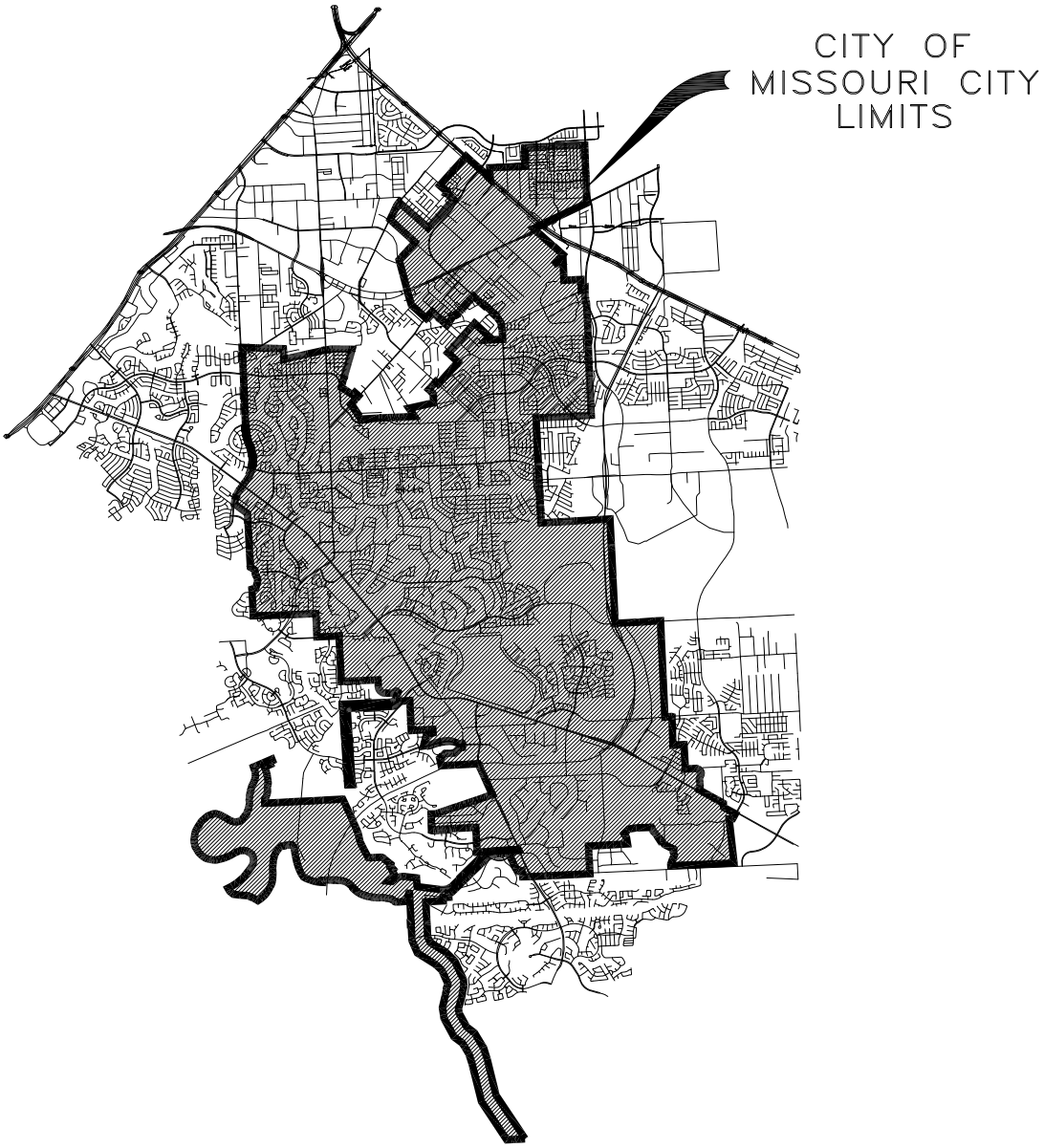
MS4 ANNUAL REPORT
PERMIT YEAR 1: 2018–2019

FOR

CITY OF MISSOURI CITY & JOINT DISTRICTS

HARRIS COUNTY & FORT BEND COUNTY, TEXAS



DECEMBER 2019

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040298

Reporting Year (year will be either 1, 2, 3, 4, or 5): 1

Annual Reporting Year Option Selected by MS4:

Calendar Year: _____

Permit Year: _____

Fiscal Year: X Last day of fiscal year: (Sept. 30th)

Reporting period beginning date: (month/date/year) July 1, 2018

Reporting period end date: (month/date/year) September 30, 2019

MS4 Operator Level: 3

Name of MS4: City of Missouri City MS4

Contact Name: Vincent Silva Telephone Number: 281-403-8567

Mailing Address: 1522 Texas Parkway, Missouri City, TX 77489

E-mail Address: Vincent.Silva@missouricitytx.gov

A copy of the annual report was submitted to the TCEQ Region: YES X NO___

Region the annual report was submitted to: TCEQ Region 12

B. Status of Compliance with the MS4 GP and SWMP

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

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	YES		The MS4 submitted their SWMP to TCEQ by the requested deadline, and SWMP is currently in review by the TCEQ; Annual Report was completed based on the SWMP that was submitted at this time.
Permittee is currently in compliance with recordkeeping and reporting requirements.	YES		The MS4 has submitted a concise annual report and retained applicable records as outlined in the TPDES General Permit No. TXR040000.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	YES		The MS4 meets all eligibility requirements outlined in the TPDES General Permit No. TXR040000.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	YES		The MS4 has conducted an annual review of the SWMP as outlined in the TPDES General Permit No. TXR040000.

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**see Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1.Public Education, Outreach and Involvement	3.1 Utilize MS4 Website	YES. The City utilized their websites https://www.missouricitytx.gov/88/Storm-Water-Management-Program and https://www.missouricitygreen.org/ to advertise various volunteer events, post storm water quality educational information, and inform the public about recycling/trash clean-ups events. Additionally, the City posted notices of volunteer events on their Missouri City Television (MCTV) channel. The City will continue to utilize these websites and the television channel.
1.Public Education, Outreach and Involvement	3.2 Educational Information	YES. The City staff handed out an estimated 29,069 educational materials at community events throughout Permit Year 1, including storm water pamphlets, decaled grocery tote bags, and educational children's coloring books with information related to recycling and illicit discharges in the storm sewer system.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1.Public Education, Outreach and Involvement	4.1 Recycling Program/Trash Clean-up	YES. The City held an Electronic Recycling Event and a Paper Shredding Event. The events provided Missouri City residents with the opportunity to drop off items for recycling at no charge. Approximately, 500 vehicles came through the Electronic Recycling Event, collecting a total of 33,277 lbs. (16.64 tons) of electronics. The Paper Shredding Event had 410 vehicles participate and 18,000 lbs. (9 tons) of paper were collected and recycled. The City also held a Citywide "Trash-Off" Event on April 6, 2019 and collected 106 bags of trash which equaled more than 1000 lbs. (1/2 ton) removed from nearby parks and waterways.
1.Public Education, Outreach and Involvement	4.2 Storm Drain Marking by Volunteers	YES. Inlet markers are a mechanism of raising public awareness, ultimately reducing and preventing illicit discharges to the storm sewer system from residents. Throughout Permit Year 1, approximately 150 inlet markers were installed. The City will continue promoting the inlet marking program in the upcoming permit year.
1.Public Education, Outreach and Involvement	4.4 Stakeholder Group	YES. The City held their annual Stakeholders Meeting on May 4, 2019 during Permit Year 1. The City presented a PowerPoint presentation discussing BMPs, roles and responsibilities, and expectations. Representatives from most of the 17 MS4s in the Joint Storm Water Management Program attended and the presentation was distributed to all members of the Stakeholder Group.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
2.Illicit Discharge Detection and Elimination	3.1 Maps of Outfalls and Surface Waters	YES. The City requested map updates from each of the Joint MS4s at the Stakeholder Meeting. Each MS4 provided updates or confirmed their MS4 maps were up to date. The City updated the master GIS map.
2.Illicit Discharge Detection and Elimination	4.1 Training for Illicit Discharge Detection and Elimination	YES. The City held one (1) training session tailored to City staff and MS4 Operators on January 14, 2019. The training session addressed how to identify illicit discharges, illegal connections, and proper disposal of those materials. It provided all attendees with instructions on how to identify, isolate, and cleanup illicit discharges. A flow chart and illicit discharge form was distributed to provide guidance on handling illicit discharges.
2.Illicit Discharge Detection and Elimination	5.1 Public Reporting Using Hotline & Website	YES. All complaints were documented, directed to the appropriate individuals, and appropriately addressed. Three (3) reports of illicit discharges were received through the hotline during Permit Year 1. Although none of these illicit discharges posed an immediate threat to the environment, the proper actions were conducted in a timely manner. The reporting hotline and website reporting will remain active in the upcoming permit year.
3.Construction Site Storm Water Runoff Control	4.1 Construction Site Plan Review	YES. The City reviewed an estimated fifteen (15) construction drawings that resulted in a land disturbance greater than or equal to 1 acre and for construction activities that were part of a larger common plan of development or sale that would disturb 1 acre or more during Permit Year 1.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
3.Construction Site Storm Water Runoff Control	5.1 Construction Site Inspection & Enforcement	YES. The City's Inspector and MS4 Administrator conducted at least approximately eighteen (18) unannounced site visits during the beginning stages of construction activities on all applicable construction projects. An inspection checklist was utilized to ensure erosion control measures were properly implemented during Permit Year 1.
4.Post-Construction Storm Water Management in New Development and Redevelopment	5.1 Inspection Program for Post-Construction Storm Water Controls	YES. An estimated five (5) construction projects were completed during Permit Year 1 that warranted an inspection of their applicable post-construction storm water control(s). The Construction Inspector continued to inspect all applicable construction sites during the final stages of construction. This ensured that permanent structural controls were properly constructed and no potential impact or illicit discharge exists.
5.Pollution Prevention/Good Housekeeping for Municipal Operations	4.1 Training for Pollution Prevention & Good Housekeeping	YES. The City held one (1) training session on pollution prevention and good housekeeping principals through a training video and presentation. The training session was tailored to City staff and MS4 Operators and held on January 14, 2019. The training session provided all attendees with instructions on how to effectively implement pollution prevention and good housekeeping practices in daily activities.
5.Pollution Prevention/Good Housekeeping for Municipal Operations	5.1 Disposal of Waste	YES. The City and Joint MS4s confirmed all trash or waste from their respective facilities were disposed in accordance with 30 Texas Administration Code Chapters 330 and 335.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
5.Pollution Prevention/Good Housekeeping for Municipal Operations	5.2 Availability of Spill Response Kits	YES. The City and the Joint MS4s have spill response kits available for use. These kits are used if a minor or moderate spill is reported within the MS4. According to the City and Joints MS4s, none of the spill response kits were utilize during Permit Year 1.
5.Pollution Prevention/Good Housekeeping for Municipal Operations	7.2 Sanitary Sewer Evaluation	YES. The City, alongside the Joint MS4s, evaluated their sanitary sewer systems during Permit Year 1. All improvements performed to the existing sanitary sewer system and lift stations were documented. The City and Joint MS4s are responsible for the sanitary sewer system each MS4 owns and operates as a joint effort to help prevent sewage from entering the storm sewer system.
5.Pollution Prevention/Good Housekeeping for Municipal Operations	7.3 O&M Program to Remove Pollutants in Storm Drains	YES. The City conducted street sweeping of approximately 1,164 miles along major collector streets within the city limits during Permit Year 1.
5.Pollution Prevention/Good Housekeeping for Municipal Operations	7.6 Inspections & Assessments on Facilities	YES. The City inspected 12 of their facilities and the Joint MS4s visually inspected all the facilities they own and operate for the potential to discharge pollutants. No major incidents of storm water quality concerns were observed.

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

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	3.1	Electronic Education	29,069	Newsletters	NO. The City included storm water quality articles in the City newsletter, water bill inserts, and with advertising the Inlet Marking Program and Electronic Collection Event. The City also posted a variety of educational materials related to storm water quality on its website and posted the volunteer events on their Missouri City television (MCTV). This BMP does not directly reduce pollutants into the receiving stream, but helps to educate the public.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	3.2	Education Information	29,069	Educational Material Items	NO. City staff distributed educational materials at community events and MS4 participants mailed out educational materials in their customer's monthly utility bills throughout the permit year. Materials included storm water decaled grocery tote bags, pamphlets, stickers, and children's coloring books with information related to recycling, illicit discharges, and water conservation. This tool does not directly reduce pollutants into the receiving stream, but helps to educate the public.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	4.1	Recycling Program/Trash Clean-up	106 Bags of Trash Collected 33,277 lbs. of Electronics Recycled 18,000 lbs. of Paper Recycled	Amount of Potential Pollutants of Concerns	YES. The City held three (3) Citywide recycling and trash clean-up events within the MS4 in Permit Year 1. A “Trash-Off” event was held on April 6, 2019, which collected 106 bags of trash from parks and waterways. One (1) Electronic Recycling Event held in January 2019 resulted in a total of 500 vehicles participated in the event, collecting 33,277 lbs. of recycled electronic materials. One (1) Paper Shredding Event was held in April 2019 which collected 18,000 lbs. of paper that will be recycled. All events were promoted and hosted by Missouri City Green a volunteer-run organization that promotes a clean and environmental friendly city. These activities demonstrate a direct reduction of pollutants in the MS4.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	4.2	Storm Drain Marking by Volunteers	150	Storm Water Inlet Markers	YES. Approximately 150 inlet markers were installed throughout Permit Year 1 by volunteers. A Storm Drain Marker Event was held October 27, 2018. This BMP can have a direct reduction in pollutants.
1	4.4	Stakeholder Group	1	Meeting	NO. The City held their annual MS4 Stakeholder Group Meeting on May 4, 2019. Most representatives from the Joint MS4s attended and received updates on the Storm Water Management Program. The presentation was also distributed to the MS4 Stakeholder Group. This BMP does not demonstrate a direct reduction in pollutants, but assists in educating and informing the stakeholders on current and future BMPs.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2	4.1	Training for Illicit Discharge Detection and Elimination	1	Session	YES. The City held one (1) training session identifying steps to identify and eliminate illicit discharges through a training video and presentation. The training session was tailored to City's staff and MS4 Operators and held on January 14, 2019.
2	5.1	Public Reporting Using Hotline & Website	1 1	Hotline Website	YES. The City's hotline (281-403-8543) and website to report a concern (https://seeclickfix.com/missouri-city) were kept active during Permit Year 1 for residents, businesses, and other groups to report illicit discharges and illegal dumpings. Use of these services can have direct reduction in pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2	6.1 7.1 8.1 8.2 8.2	Responding to Illicit Discharges and Spills Source Investigations on Illicit Discharges Source Elimination on Illicit Discharges Follow-up Investigations	3	Illicit Discharges and Spills	YES. Three (3) reports of illicit discharges were reported during Permit Year 1. The City responded to all complaints received and performed the appropriate actions. Although none of these illicit discharges posed an immediate threat to the environment, the proper actions were conducted in a timely manner. Follow-up investigations were performed, if necessary.
3	4.1	Construction Site Plan Review	15	Construction Drawings	NO. The City reviewed an estimated fifteen (15) construction drawings that resulted in a land disturbance greater than or equal to 1 acre and for construction activities that were part of a larger common plan development or sale that would disturb 1 acre or more during Permit Year 1. This BMP does not directly reduce pollutants in the MS4.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
3	5.1	Construction Site Inspection & Enforcement	18	Construction Site Inspections	YES. The City had approximately eighteen (18) construction projects occur within the city limits during Permit Year 1. The City's Public Works Department reviewed the storm water pollution prevention plans (SWPPP) and conducted unannounced site inspections at the construction sites. The inspections ensured the Contractor implemented the SWPPP properly, ultimately reducing the discharge of pollutants into the storm sewer system.
3	6.1	Training for Construction Site Storm Water Runoff Control	1	Session	YES. The City held one training session on construction site storm water runoff controls through a training video and presentation. The training session was tailored to City staff and MS4 Operators and held on January 14, 2019.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
3	7.1	Inventory of Construction Sites	1	Inventory	NO. The City tracks and documents all active construction projects in their database. This allows City staff to monitor construction sites and address any concerns which are reported. It does not have a direct reduction in pollutants.
4	5.1	Inspection Program for Post-Construction Storm Water Controls	5	Post – Construction Inspections	YES. An estimated five (5) post-construction inspections were completed during Permit Year 1 on applicable sites that have permanent post-construction storm water controls. This ensured that permanent structural controls were properly constructed and no potential impact or illicit discharge exists. These inspections can have a direct reduction in pollutants.
4	6.1	Training for Post-Construction Storm Water Controls	1	Session	YES. The City held one (1) training session on post construction site storm water controls through a training video and presentation. The training session was tailored to City staff and MS4 Operators and held on January 14, 2019.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5	3.1	Inventory of Facilities & Storm Water Structural Controls	1	Inventory	NO. The City reviewed their inventory of facilities and storm water structural controls in Permit Year 1 and received an updated MS4 facility list from each Joint MS4, if updated. The inventory for the City did not need to be updated. These lists do not have a direct reduction in pollutants in the MS4.
5	4.1	Training for Pollution Prevention & Good Housekeeping	1	Session	YES. The City held one (1) training session on pollution prevention and good housekeeping principals through a training video and presentation. The training session was tailored to City staff and MS4 Operators and held on January 14, 2019.
5	5.1	Disposal of Waste	17	Confirmation Letters	YES. The City and Joint MS4s confirmed all waste from their facilities were disposed in accordance with 30 Texas Administration Code Chapters 330 and 335.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5	5.2	Availability of Spill Response Kits	Spill Response Kits are available per site.	Spill Response Kits	YES. The City and the Joint MS4s have spill response kit(s) available for use either directly through the MS4 or through contractor services. These kits are used if a minor or moderate spill is reported within the MS4.
5	6.1	Contractor Oversight	1	Contractor Oversight Program	YES. The City and Joint MS4s monitored Contractors which performed municipal activities within the city limits and respective Districts to help prevent water quality issues.
5	7.2	Sanitary Sewer System Evaluation	29 39 85 5 6 12	Storm Line Repairs Manhole Repairs Lift Station Repair Storm Outfall Repairs Point Repairs TV/ Clean Monitor	YES. The City and Joint MS4s evaluated the existing sanitary sewer system they own and operate. Deficiencies such as sanitary sewer overflows, lift station inadequacies, inflow and infiltration were investigated and addressed to the maximum extent practical. Several maintenance activities were performed during Permit Year 1, as noted.
5	7.3	O&M Program to Remove Pollutants in Storm Drains	1,164 miles	Miles of Streets Swept	YES. The City conducted street sweeping of approximately 1,164 miles along major collector during Permit Year 1.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5	7.6	Inspections & Assessments on Facilities	12	Inspections	YES. The City inspected 12 of their facilities and the Joint MS4s visually inspected all their listed facilities they own and operate for the potential to discharge pollutants. No major incidents of storm water quality concerns were observed.

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

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1.Public Education, Outreach and Involvement	3.1 Utilize MS4 Website	MET GOAL. Information about the City's and Joint MS4s' Storm Water Management Program and various educational materials were uploaded to the City's website (https://www.missouricitytx.gov/88/Storm-Water-Management-Program) and made available to the community. The City also posted notices of volunteer events on their Missouri City Television (MCTV).
1.Public Education, Outreach and Involvement	3.2 Educational Information	EXCEEDED GOAL. The City distributed approximately 29,069 educational information at various city activities and other environmental events. They exceeded their goal, because they also distributed public education items such as tote bags and coloring books.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1.Public Education, Outreach and Involvement	4.1 Recycling Program/Trash Clean-up	EXCEEDED GOAL. The City held 3 events during Permit Year 1: 1) a “trash-off” event, 2) E-Waste electronics recycling, and 3) paper shredding event. With assistance from Missouri City Green approximately 106 bags of trash, 33,277 lbs. of electronics recycled, and 9 tons of paper were recycled. The events brought in an estimated 1,022 participating citizens. They exceeded their goal because the City held 3 events instead of the required 1 as stated in their SWMP.
1.Public Education, Outreach and Involvement	4.2 Storm Drain Marking by Volunteers	MET GOAL. The City, with the help of volunteers, installed approximately 150 inlet markers during Permit Year 1. A Storm Drain Marker Event was held October 27, 2018. The City continues to support the program and allow the opportunity for volunteers to mark storm sewer inlets.
1.Public Education, Outreach and Involvement	4.3 Storm Drain Marking by Developers	MET GOAL. The City continued to require new development to install customized storm sewer manhole covers that say “Warning No Dumping. Please Report Illegal Dumping. Drains to Waterways” or similar wording. This is part of the checklist for the final walk-through process prior to acceptance of the project by the City.
1.Public Education, Outreach and Involvement	4.4 Stakeholder Group	MET GOAL. The City held their annual Stakeholder Meeting in Permit Year 1 on May 4, 2019. At the meeting, the Joint MS4s were informed of the status of the program, role/responsibilities, and upcoming changes. The information presented was also distributed to the Joint MS4s.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1.Public Education, Outreach and Involvement	4.5 Opportunity for Public Comment	EXCEEDED GOAL. Information about the City's and Joint MS4s' Storm Water Management Program is available on the City's website (https://www.missouricitytx.gov/88/Storm-Water-Management-Program). The City also has a hard copy of the program available at city hall for anyone to view and comment. Additionally, the City's council members meet twice a month and the Joint MS4s meet at least monthly. These meetings are open to residents who have an opportunity to comment on the program. An additional opportunity for this measurable goal is that City council meetings are also broadcasted live (and recorded) on the City's municipal television station, MCTV. This is a unique medium to use to engage the residents and get their involvement in the program. The City and Joint MS4s welcomes the community to provide comments and suggestions requesting additional storm water programs or modifications to existing best management practices by contacting the MS4 Administrator. No comments were received during Permit Year 1.
2.Illicit Discharge Detection and Elimination	3.1 Maps of Outfalls and Surface Waters	MET GOAL. All Joint MS4s reviewed their facility maps and provided all necessary updates to the City. The City reviewed and utilized maps, as needed, from all new construction projects involving storm sewer outfalls and surface waters within the city limits. The GIS Department updated their maps as new data was submitted.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
2.Illicit Discharge Detection and Elimination	4.1 Training for Illicit Discharge Detection and Elimination	MET GOAL. The City held one (1) training session identifying steps to identify and eliminate illicit discharges through a training video and PowerPoint presentation. The training session was tailored to City staff and MS4 Operators and held on January 14, 2019. The training session provided all attendees with instructions on how to identify, isolate, and cleanup illicit discharges. A flow chart and illicit discharge form was distributed to provide guidance on handling illicit discharges.
2.Illicit Discharge Detection and Elimination	5.1 Public Reporting Using Hotline & Website	MET GOAL. The City included an electronic point of contact and telephone number on the City's website. The hotline raised public awareness and allowed residents to assist in keeping pollutants out of the storm sewer system and report illegal dumping. The City also has a "SeeClickFix" Program through the City website and Mobile App to report illicit discharges and illegal dumping.
2.Illicit Discharge Detection and Elimination	6.1 Responding to Illicit Discharge and Spills	MET GOAL. The City and Joint MS4s utilized a flow chart and standardized documentation form to report and respond to all illicit discharges.
2.Illicit Discharge Detection and Elimination	7.1 Source Investigation of Illicit Discharges	MET GOAL. The City and Joint MS4s investigated sources of all illicit discharges detected during Permit Year 1.
2.Illicit Discharge Detection and Elimination	7.2 List of Businesses	MET GOAL. The City's website at the following link http://www.missouricitytx.gov/index.aspx?nid=117 contains a list of all businesses located within the city limits. This list was updated during Permit Year 1.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
2.Illicit Discharge Detection and Elimination	8.1 Source Investigation of Illicit Discharge	MET GOAL. The City and Joint MS4s eliminated all reported illicit discharges detected during Permit Year 1.
2.Illicit Discharge Detection and Elimination	8.2 Follow-up Investigation	MET GOAL. The City and the Joint MS4s conducted follow-up investigations after the illicit discharge was detected, as needed, and properly removed to ensure the issue had been alleviated during Permit Year 1.
2.Illicit Discharge Detection and Elimination	9.1 Evaluation or Ordinance for Illicit Discharge Detection & Elimination	MET GOAL. The City evaluated Ordinance Section 30-221 of Division 2 in Article V, Chapter 30 and no changes were made during Permit Year 1.
2.Illicit Discharge Detection and Elimination	10.1 Septic System Identification & Inspection	MET GOAL. All new septic systems located within the City limits were monitored and inspected, as necessary, during Permit Year 1.
2.Illicit Discharge Detection and Elimination	11.1 Feral Hog Management	MET GOAL. The City has a contract with an independent pest control company to trap and remove feral hogs on public property as needed during Permit Year 1. The City's Park and Recreation Department reported that the company trapped 0 feral hogs in Permit Year 1.
3.Construction Site Storm Water Runoff Control	3.1 Evaluation of Ordinance for Construction Site Storm Water Runoff Control	MET GOAL. The City evaluated Ordinance Section 30-221 of Division 2 in Article V, Chapter 30 and no changes were made during Permit Year 1.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
3.Construction Site Storm Water Runoff Control	4.1 Construction Site Plan Review	MET GOAL. The City conducted plan reviews on all applicable construction projects during Permit Year 1.
3.Construction Site Storm Water Runoff Control	5.1 Construction Site Inspection & Enforcement	MET GOAL. The City conducted site inspections on all applicable construction projects during Permit Year 1.
3.Construction Site Storm Water Runoff Control	6.1 Training for Construction Site Storm Water Runoff Control	MET GOAL. The City held one (1) training session on construction site storm water runoff controls through a training video and presentation. The training session was tailored to the City's staff and MS4 Operators and held on January 14, 2019. The training session provided attendees with instructions on how to identify construction issues from storm water runoff.
3.Construction Site Storm Water Runoff Control	7.1 Inventory of Construction Sites	MET GOAL. All applicable construction projects were tracked and documented in the City's database during Permit Year 1. This allows City Staff to monitor construction sites and address any concerns which are reported.
3.Construction Site Storm Water Runoff Control	8.1 Guidance Manual for Construction Site Storm Water Runoff Control	MET GOAL. The City continued to utilize the "Storm Water Management Handbook for Construction Activities" prepared by Harris County, Harris County Flood Control District, and the City of Houston to aid in implementing construction site BMPs during Permit Year 1.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
4.Post-Construction Storm Water Management in New Development and Redevelopment	3.1 Evaluation of Ordinance to Address Post-Construction Runoff Controls	MET GOAL. The City evaluated Ordinance Section 30-221 of Division 2 in Article V, Chapter 30 and no changes were made during Permit Year 1.
4.Post-Construction Storm Water Management in New Development and Redevelopment	4.1 Guidance Manual for Post-Construction Storm Water Controls	MET GOAL. The City continued to utilize the “Storm Water Management Handbook for Construction Activities” prepared by Harris County, Harris County Flood Control District, and the City of Houston to aid in implementing post-construction site BMPs during Permit Year 1.
4.Post-Construction Storm Water Management in New Development and Redevelopment	5.1 Inspection Program for Post-Construction Storm Water Controls	MET GOAL. The City’s Inspector conducted post-construction site inspections on all applicable completed construction projects during Permit Year 1.
4.Post-Construction Storm Water Management in New Development and Redevelopment	6.1 Training for Post-Construction Storm Water Controls	MET GOAL. The City held one (1) training session on post construction site storm water controls through a training video and presentation. The training session was tailored to City staff and MS4 Operators and held on January 14, 2019. The training session provided all attendees with instructions on how to identify post construction issues from storm water.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
4.Post-Construction Storm Water Management in New Development and Redevelopment	7.1 Low Impact Design	MET GOAL. The City continued promoting low impact design on all applicable projects during Permit Year 1.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	3.1 Inventory of Facilities & Storm Water Structural Controls	MET GOAL. The City reviewed their inventory list of facilities and storm water structural controls and received an updated MS4 facility list from each Joint MS4 during Permit Year 1. All new facility locations were updated in the City's GIS system.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	4.1 Training for Pollution Prevention & Good Housekeeping	MET GOAL. The City held one (1) training session on pollution prevention and good housekeeping principals through a training video and presentation. The training session was tailored to City's staff and MS4 Operators and held on January 14, 2019. The training session provided all attendees with instructions on how to effectively implement pollution prevention and good housekeeping practices in daily activities.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	5.1 Disposal of Waste	MET GOAL. The City received confirmation letters from all of the Joint MS4s acknowledging waste materials were properly disposed in accordance with 30 TAC Chapters 330 and 335 during Permit Year 1.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	5.2 Availability of Spill Response Kits	MET GOAL. The City and Joint MS4s have spill response kit(s) available for use either directly through the MS4 or through contractor services. These kits are used if a minor or moderate spill is reported within the MS4.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	6.1 Contractor Oversight	MET GOAL. The City and Joint MS4s monitored Contractors which performed municipal activities within the city limits and respective Districts to help prevent water quality issues.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	7.1 Municipal Operation & Maintenance Activities	MET GOAL. The City and the Joint MS4s evaluated their existing operation and maintenance activities. All MS4s determined the activities were appropriate for reducing discharge of pollutants in storm water during Permit Year 1.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	7.2 Sanitary Sewer System Evaluation	MET GOAL. The City and Joint MS4s evaluated their sanitary sewer systems during Permit Year 1. All improvements performed to the existing sanitary sewer systems and lift stations, along with reported sanitary sewer overflows were documented (see Section 3 above). The City and Joint MS4s are responsible for the sanitary sewer system each MS4 owns and operates as a joint effort to help prevent sewage from entering the storm sewer system.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	7.3 O&M Program to Remove Pollutants in Storm Drains	MET GOAL. The City conducted street sweeping along approximately 1,164 miles of City streets during Permit Year 1. High-priority roadways or streets were not identified in Permit Year 1.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	7.4 List of Potential Problem Areas	MET GOAL. The City and the Joint MS4s provided documentation regarding Potential Problem Areas for each entity during Permit Year 1. No potential problem areas were identified in Permit Year 1.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	7.5 Map all Facilities & Storm Water Structural Controls	MET GOAL. The City and Joint MS4s evaluated the maps of their respective MS4 facilities and storm water structural controls based on construction drawings, record drawings, aerial photos, and field verification. The maps were updated in the City's GIS system.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	7.6 Inspections & Assessments on Facilities	MET GOAL. The City and the Joint MS4s inspected all permanent facilities and storm water structural controls within their respective jurisdiction. All inspection forms were documented for each entity during Permit Year 1. The City inspected 12 of their facilities and no major incidents of storm water quality concerns were observed.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	7.7 Evaluation of Standard Operating Procedures for Facilities	MET GOAL. The City and the Joint MS4s evaluated existing municipal operation and maintenance activities at all high priority facilities. Standard Operating Procedures are available to assist the MS4 Operator with normal operation and maintenance activities and address any deficiencies that were identified. No additional procedures were recommended to the City and Joint MS4s during Permit Year 1.
5.Pollution Prevention /Good Housekeeping for Municipal Operations	7.8 Storm Water Controls for High Priority Facilities	MET GOAL. The City and the Joint MS4s evaluated their high priority facilities during Permit Year 1 and no storm water controls were recommended. High priority facilities are identified as Wastewater Treatment Plants, facilities that store excess amounts of chemicals or facilities that if malfunction may cause harm to a receiving water.

C. Stormwater Data Summary

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

The City of Missouri City and Joint MS4s are not required to perform analytical storm water quality sampling per TCEQ TPDES General Permit No. TXR040000.

The City of Missouri City conducted street sweeping for approximately 1,164 lane miles of roadway, along major collector and residential streets within the city limits during Permit Year 1.

Three (3) illicit discharges were reported to the City of Missouri City during Permit Year 1. On December 26, 2018, approximately 175 gallons of raw wastewater entered a storm sewer near Sheffield Drive and Colchester Way Drive. The incident occurred because power to a lift station failed due to a heavy rain storm. The area around the discharge was vacuumed, washed down and disinfected with calcium hypochlorite. An electric consultant repaired the lift station and restored power. This enabled the lift station to pump down the system. The second illicit discharge occurred on March 11, 2019. Collection sanitary system manholes on Pecan Wood Drive, Goldenrod Lane, and Colonial Lake Drive experienced overflows due to a power failure at the Pecan Wood Drive lift station. Approximately, 30,000 gallons of raw wastewater entered the

storm sewer system. The area around the discharge was vacuumed, washed down, and disinfected with calcium hypochlorite. The power was restored and the lift station began to pump down the area. The third illicit discharge occurred May 30, 2019. Approximately 500 gallons of raw wastewater overflowed from three manholes. The overflow was caused by a control panel malfunction at the connecting lift station. The affected areas were disinfected and washed down. The hydroranger was reprogrammed while a new one was ordered to replace it at the lift station. As required, all three of these illicit discharges were immediately reported to TCEQ.

D. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly-identified impaired waters below by including the name of the water body and the cause of impairment.

   No additional receiving water bodies located in the permitted area were added to the latest EPA-approved 303(d) list nor the Texas Integrated Report of Surface Water Quality for CWA Section 305(b) and 303(d). *The 2016 Texas Integrated Report-Texas 303(d) List (Category 5)* was approved by the EPA on August 6, 2019.

2. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern.

   All BMPs included in the SWMP have measurable goals focused on reducing pollutants of concern that contribute to the impairment in waterbodies. All focused BMPs are scheduled to be fully implemented by the end of Permit Year 5. Below are examples of BMPs which were implemented during Permit Year 1.

   Inlet Marking Program - The City of Missouri City through community volunteers continued its inlet marking program. Approximately, 150 inlet markers were installed during Permit Year 1. During these installations, volunteers are trained to report any illicit discharges detected in or around the storm sewer inlet. No illicit discharges were reported while installing inlet markers in Permit Year 1.

   Recycling Program/Trash Clean-up – The City and Joint MS4s promoted three (3) trash clean-up and recycling events during Permit Year 1. A total of 106 bags of trash, 33,277 lbs. of electronics, and 9 tons of paper were recycled or properly disposed. By removing these items, this assisted in reducing impairments caused by bacteria in the MS4 and local waterways.

   Illicit Discharge and Elimination - The MS4 Administrator and MS4 Operators are trained annually to properly identify, address, and remove illicit discharges detected

within the MS4. If enforcement actions are necessary, the City relies on its Ordinance to assess fines and violations.

Construction Site Plan Reviews - The MS4s have a program in place to review construction drawings in accordance with the TPDES Construction General Permit No. TXR150000. A variety of items are evaluated such as erosion and sediment controls, best management practices, and soil stabilization.

Construction Site Inspection & Enforcement - The MS4 has a program in place to evaluate construction sites to ensure no threat exist to the environment as a result of construction activities.

Inspection Program for Construction Site Storm Water Runoff and Post-Construction Site Storm Water Controls - The MS4 has a program in place to evaluate construction sites for temporary sediment and erosion controls and ensure permanent structural controls were properly constructed to reduce the potential impacts from illicit discharges.

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

In 2007 and 2010, the TCEQ adopted Total Maximum Daily Loads (TMDLs) for bacteria and dissolved oxygen respectively for Upper Oyster Creek Classified Segment No. 1245 located in the Brazos River Basin. The City of Missouri City MS4 and Joint MS4s discharges storm water into this classified segment. All BMPs outlined in the MS4s' SWMP target residents, businesses, commercial and industrial facilities that reside within the MS4 property limits. Each BMP is focused on detecting, addressing, and eliminating impairments caused by bacteria and dissolved oxygen.

The MS4 has determined no concerning pollutants discharged from the MS4 based on observational data during Permit Year 1. As a result of these observations, all discharges from the MS4 were unlikely to contain concerning levels of dissolved oxygen and bacteria. The MS4s will continue to implement the BMPs outlined in the SWMP to prevent pollutants of concern. If concerning pollutants are observed in future permit years, the MS4 will refer to the TCEQ-approved Implementation Plan and determine if additional BMPs are needed to prevent illicit discharges from impacting the environment. All BMPs are scheduled to be evaluated in the next permitting year to ensure program effectiveness and success. If no progress is observed towards adhering to the target control and meeting the benchmark parameter, the MS4s will identify alternative BMPs that address new or increased efforts towards the benchmark.

The MS4s will continue to work with the Upper Oyster Creek TMDL stakeholder and committee members and be an active participate in the Implementation Plan. The City of

Missouri City and Joint MS4s will continue to contribute in developing strategies to restore and improve water quality in Upper Oyster Creek.

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

Benchmark Parameter ***(Ex: Total Suspended Solids)***	**Benchmark Value**	**Description of additional sampling or other assessment activities**	**Year(s) conducted**
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 2% for bacteria from public education and outreach efforts.	Permit Year 1
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 2% for bacteria loadings assigned to human sources from reported illicit discharges.	Permit Year 1
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 100% for bacteria loadings assigned to onsite sewage facilities for new septic system identification and inspection.	Permit Year 1
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 10% for bacteria loadings from feral hog management including removal of feral hogs.	Permit Year 1

Benchmark Parameter *(Ex: Total Suspended Solids)*	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 2% for bacteria loadings assigned to urban nonpoint sources from reviewing construction site plans.	Permit Year 1
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 15% for bacteria loadings assigned to urban nonpoint sources from construction site inspections and enforcements.	Permit Year 1
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 2% for bacteria loadings from illicit discharge, construction and post-construction training/education of municipal employees.	Permit Year 1
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 20% for bacteria loadings from appropriate disposal of waste activities in accordance with TAC regulations.	Permit Year 1
Bacteria	1.26×10^8 counts of E. coli bacteria in storm water runoff per day	A reduction goal of 10% for bacteria loadings assigned to waste treatment facilities for sanitary system evaluations.	Permit Year 1

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

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
Bacteria	Educational Information	Educational materials raise awareness of storm water quality concerns and encourage public reporting when illicit discharges/dumpling are identified and detected.
Bacteria	Storm Water Quality Volunteer Opportunities	Public involvement is essential to raise awareness of illicit discharges/dumping for pollution source control and prevention measures.
Bacteria	Construction Site Inspection & Enforcement	Prohibiting illicit discharges from construction activities reduces the probability of bacteria entering the storm sewer system.

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

Description of bacteria-focused BMP	Comments/Discussion
1.3.1 Utilize MS4 Website 1.3.2 Educational Information	The City distributes a variety of electronic educational information to the community through email blasts, newsletters, and links to websites. Educational materials are distributed to the community through multiple City programs when these items are available. The educational information assists in preventing and reducing illicit discharges in the form of bacteria from entering the storm sewer system.
1.4.1 Recycling Program/Trash Clean-Up	Citywide recycling and trash cleanup events provided a great opportunity for the public to recycle and dispose potentially harmful items which could environmentally impact the storm sewer system.
2.9.1 Evaluation of Ordinance for Illicit Discharge Detection & Elimination 3.3.1 Evaluation of Ordinance for Construction Site Storm Water Runoff Control 4.3.1 Evaluation of Ordinance to Address Post-Construction Runoff	The City Ordinance was evaluated during Permit Year 1 under Section 30-221 of Division 2 in Article V, Chapter 30; and no changes were made at this time. The MS4 has the authority to assess violations to individuals that discharge pollutants of concerns and sources of bacteria to the storm sewer system.

Description of bacteria-focused BMP	Comments/Discussion
2.4.1 Training for Illicit Discharge Detection & Elimination 3.6.1 Training for Construction Site Storm Water Runoff Controls 4.6.1 Training for Post-Construction Storm Water Controls 5.4.1 Training for Pollution Prevention & Good Housekeeping	The City and Joint MS4s were trained during Permit Year 1 to identify illicit discharges and illegal connections. Additionally, they were also trained to observe water quality control measures which minimize the discharge of pollutants from equipment and vehicle washing, building materials and products, construction waste and trash, fertilizers, pesticides, herbicides, sanitary waste, spills, and leaks. Detecting these situations enabled the MS4 Operators to eliminate sources of pollutants prior to entering the storm sewer system.
2.11.1 Feral Hog Management	In Permit Year 1 the City contracted with an independent pest control company to trap and/or remove feral hogs. No reports of feral hogs trapped or removed were documented. Due to the proximity of feral hogs living to waterways, the waste from feral hogs can be a source of bacteria in storm water runoff.
5.7.2 Sanitary Sewer System Evaluation	The City and Joint MS4s evaluated the existing sanitary sewer system they own and operate. Deficiencies such as sanitary sewer overflows, lift station inadequacies, inflow and infiltration were investigated and addressed to the maximum extent practical. These maintenance activities greatly reduce the amount of bacteria illicit discharges that can enter the MS4.

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

Benchmark Indicator	Description/Comments
Pollution Prevention Procedures to Reduce Waste Within the MS4	A recycling/trash removal program was conducted on a weekly basis by all MS4 participants. This program assisting in eliminating illicit discharges from the storm sewer system. Additionally, three environmental events were conducted in Permit Year 1. A total of 106 bags of trash, 33,277 lbs. of electronics, and 9 tons of paper were recycled or properly disposed. By removing these items this assisted in reducing impairments caused by bacteria in the MS4 and local waterways.
Preventative Maintenance on Facilities within the MS4 Service Area	The MS4 Operators conducted monthly inspections on grease traps for their ability to function properly, in addition to daily maintenance on sanitary sewer facilities, as needed. Activities included maintaining the lift station, cleaning the sanitary sewer lines, removing blockages, and repairing the sanitary sewer systems.
Number of Educational Materials Distributed to members of the Community	A total of 29,069 educational print material and water bill inserts were handed out to residents within the MS4's service area during Permit Year 1.
Reporting Illicit Discharges	A total of three (3) reports of illicit discharges were reported during Permit Year 1. All complaints were documented, directed to the appropriate individuals, and addressed. Proper actions were conducted in a timely manner and TCEQ was notified due to the nature of the discharge.
Educational Opportunities Offered	The inlet marker program was made available throughout the permit year for volunteer groups to replace missing and/or new inlet markers. Approximately 150 inlet markers were installed during Permit Year 1.

Benchmark Indicator	Description/Comments
Increased Authority on Storm Sewer System	The City Ordinance was evaluated and revised in a previous permit term to included unauthorized materials. These items are prohibited from entering the storm sewer system.
Illicit Discharge Detection	The City and Joint MS4s performed regular maintenance on drainage channels, ditches, swales, and structural controls located within their respective boundary. Activities include regular mowing, trash removal, and ensuring vegetation is established for permanent erosion controls.

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	3.1	Electronic Education/Utilize MS4 Website	Update/Revise electronic educational material, as needed, and ensure the information is available online. Promote education material and/or volunteer events on the Missouri City Television channel. Post the approved SWMP and submitted Annual Report to the MS4's website, when available.
1	3.2	Educational Information	Update/Revise educational material, as needed. Continue to distribute to volunteer groups at local events and to water quality programs when available.

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	4.1	Recycling Program/Trash Clean-up	Continue the Recycling Program and/or Trash Clean-up event during the permit year. Coordinate with the appropriate departments in order to promote the event. Distribute educational materials at the event, if available.
1	4.2	Storm Drain Marking by Volunteers	Continue promoting opportunities for volunteer groups to participate in the inlet marking program. Coordinate and distribute inlet marking kits to volunteer groups.
1	4.3	Storm Drain Marking by Developers	Continue construction plan reviews and require Developers to install custom manhole and inlet covers on all storm drains.
1	4.4	Stakeholder Group	Conduct a Stakeholder Meeting for the City and Joint MS4s.
1	4.5	Opportunity for Public Comment	Consider public comments regarding implementation of the SWMP, if submitted. If available, the public notice will be published in accordance with the General Permit.
2	3.1	Maps of Outfalls and Surface Waters	Update/Evaluate new data related to the storm sewer system and continue to incorporate it into the City's GIS map.
2	4.1	Training for Illicit Discharge Detection and Elimination	Update/Revise the training program, as needed. Offer the training program to the City and Joint MS4s.

MCM(s)	BMP	Stormwater Activity	Description/Comments
2	5.1	Public Reporting using Hotline & Website	Respond and document all reports received. Continue to ensure the correct information is listed on the Storm Water Management Program website and hotline.
2	6.1	Responding to Illicit Discharge and Spills	Respond to all reports and coordinate with the appropriate individuals to address the items of concern from illicit discharges, spills, and illegal dumping. Continue to evaluate current procedures and determine if changes need to be conducted.
2	7.1	Source Investigation of Illicit Discharges	Conduct investigations on illicit discharges, spills, and illegal dumping. Continue to train personnel on procedures to investigate and document reported issues. Update and revise procedures, as needed.
2	7.2	List of Businesses	Continue to update the business list and make accessible on the City website.
2	8.1	Source Elimination of Illicit Discharges	Continue to implement procedures for removing illicit discharges, spills, and illegal dumping.
2	8.2	Follow-up Investigation	Continue to implement procedures for conducting follow-up investigations for removing illicit discharges, spills, and illegal dumping.
2	9.1	Evaluation of Ordinance for Illicit Discharge Detection & Elimination	Continue to review the City Ordinance and propose changes, as necessary.

MCM(s)	BMP	Stormwater Activity	Description/Comments
2	10.1	Septic System Identification & Inspection	Continue to inspect all reported new and non-functioning septic systems, as necessary, located in the City limits. Evaluate existing program and determine if changes need to be implemented.
2	11.1	Feral Hog Management	Continue trapping feral hogs when notified. Document the number of feral hogs removed from the City limits.
3	3.1	Evaluation of Ordinance for Construction Site Storm Water Runoff Control	Continue to review the City Ordinance and propose changes, as necessary.
3	4.1	Construction Site Plan Review	Continue plan reviews to ensure no discharges occur as a result of pollutants from construction sites. The City will review all construction projects in accordance with the TPDES Construction General Permit No. TXR150000.
3	5.1	Construction Site Inspection and Enforcement	Continue construction site inspections on all applicable construction projects in accordance with the TPDES Construction General Permit No. TXR150000.
3	6.1	Training for Construction Site Storm Water Runoff Control	Update/Revise the training program as needed. Offer the training program to the City and Joint MS4s.
3	7.1	Inventory of Construction Sites	Continue to document all permitted public and private construction sites on the inventory list.

MCM(s)	BMP	Stormwater Activity	Description/Comments
3	8.1	Guidance Manual for Construction Site Storm Water Runoff Controls	Continue current procedures utilizing the guidance manual, as necessary.
4	3.1	Evaluation of Ordinance to Address Post-Construction Runoff	Continue to review the City Ordinance and propose changes, as necessary.
4	4.1	Guidance Manual for Post-Construction Storm Water Runoff Controls	Continue utilizing the guidance manual to aide in implementing post-construction site BMPs, as necessary.
4	5.1	Inspection Program for Post-Construction Storm Water Controls	Continue inspections on all completed construction projects with permanent storm water quality controls.
4	6.1	Training for Post-Construction Storm Water Controls	Update/Revise the training program as needed. Offer the training program to the City and Joint MS4s.
4	7.1	Low Impact Design	Continue encouraging current low impact development procedures.
5	3.1	Inventory of Facilities & Storm Water Structural Controls	Continue to update/evaluate the facilities and storm water structural controls inventory list for each MS4.
5	4.1	Training for Pollution Prevention and Good Housekeeping	Update/Revise the training program as needed. Offer the training program to the City and Joint MS4s.
5	5.1	Disposal of Waste	Continue ensuring all waste is properly disposed and does not contribute as illicit material.

MCM(s)	BMP	Stormwater Activity	Description/Comments
5	5.2	Availability of Spill Response Kits	Continue availability of spill response kits for minor and moderate spills.
5	6.1	Contractor Oversight	Continue procedures for Contractor oversight during municipal activities within the City limits.
5	7.1	Municipal Operation & Maintenance Activities	Continue evaluating the City and Joint MS4s O&M activities for potential discharge of pollutants in the storm sewer system and addressed any inefficiencies that were identified.
5	7.2	Sanitary Sewer System Evaluation	Continue evaluating the City and Joint MS4s sanitary sewer system for deficiencies that impact storm water.
5	7.3	O&M Program to Remove Pollutants in Storm Drains	Continue the street sweeping program to ensure high priority areas do not contribute to illicit discharges. Evaluate the street sweeping program to ensure program effectiveness.
5	7.4	List of Potential Problem Areas	Continue developing and maintaining a list of potential problem areas based on the number of illicit discharges that were detected in the City and the Joint MS4s.
5	7.5	Map All Facilities & Storm Water Structural Controls	Continue to update/evaluate data from the Joint MS4s. Incorporate any new data involving facilities and storm water structural controls into the GIS maps.
5	7.6	Inspections & Assessments on Facilities	Continue inspections at City and Joint MS4 permanent facilities and storm water structural controls. Document all inspections forms.

MCM(s)	BMP	Stormwater Activity	Description/Comments
5	7.7	Evaluation of Standard Operating Procedures for Facilitates	Continue to evaluate the City and Joint MS4s existing municipal operation and maintenance forms at all high priority facilities. Ensure standard operating procedures are available to assist the MS4 Operator with operation and maintenance activities and addressed any deficiencies that are identified.
5	7.8	Storm Water Controls for High Priority Facility	If high priority facilities are identified, develop Standard Operating Procedures and implement the storm water quality controls for facility/facilities.

F. SWMP Modifications

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

   _X_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__X_No

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

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

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

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

G. Additional BMPs for TMDLs and I-Plans

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

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

H. Additional Information

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

   _X_ Yes ___ No

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

Name of Entity	Explanation of Responsibilities
Blue Ridge West MUD	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
First Colony MUD No. 9	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Fort Bend County MUD No. 26	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Fort Bend County MUD No. 42	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Fort Bend County MUD No. 46	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Fort Bend County MUD No. 47	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Fort Bend County MUD No. 48	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Fort Bend County MUD No. 49	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Fort Bend County MUD No. 115	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.

Name of Entity	Explanation of Responsibilities
Harris County MUD No. 122	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Harris County WC&ID - Fondren Road	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Meadowcreek MUD	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Palmer Plantation MUD No. 1	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Palmer Plantation MUD No. 2	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Quail Valley Utility District	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
Thunderbird Utility District	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.

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

_X_ Yes ___ No

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

_X_ Yes ___ No

If "Yes," list all associated authorization numbers, permittee names, and SWMP responsibilities of each member (add additional spaces or pages if needed):

Authorization Number	Permittee Name	SWMP Responsibilities
TXR040219	Blue Ridge West MUD	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040292	First Colony MUD No. 9	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040295	Fort Bend County MUD No. 26	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.

Authorization Number	Permittee Name	SWMP Responsibilities
TXR040293	Fort Bend County MUD No. 42	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040370	Fort Bend County MUD No. 46	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040290	Fort Bend County MUD No. 47	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040291	Fort Bend County MUD No. 48	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040363	Fort Bend County MUD No. 49	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040297	Fort Bend County MUD No. 115	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040369	Harris County MUD No. 122	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040371	Harris County WC&ID – Fondren Road	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040296	Meadowcreek MUD	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040361	Palmer Plantation MUD No. 1	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040362	Palmer Plantation MUD No. 2	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.
TXR040359	Quail Valley Utility District	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.

Authorization Number	Permittee Name	SWMP Responsibilities
TXR040360	Thunderbird Utility District	Coordinate with Missouri City to develop and implement BMPs identified in the SWMP.

I. Construction Activities

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

   __estimated 10_____

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

   ___ Yes _X_ No

2b. If "yes," then provide the following information for this permit year:

The number of municipal construction activities authorized under this general permit	**0**
The total number of acres disturbed for municipal construction projects	0

Note: *Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.*

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): DAN McGRAW Title: Utilities MANAGER

Signature: Dan M Date: 11/6/2019

Name of MS4: **City of Missouri City MS4**

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

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): ROD CASTELLE Title: PRESIDENT

Signature: _____ Date: 12.19.19

Name of MS4: **First Colony MUD No. 9 MS4**

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

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): Monica L Rasmus Title: Board President

Signature: Monica L Rasmus Date: December 2, 2019

Name of MS4: **Blue Ridge West MUD MS4**

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

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): Joe Taylor Title: AUTHORIZED REPRESENTATIVE

Signature: _____ Date: 11/7/2019

Name of MS4: **Fort Bend County MUD No. 26 MS4**

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

J. Certification

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Name (printed): Diane Mauricio Title: President

Signature: Diane Mauricio Date: 12-9-19

Name of MS4: **Fort Bend County MUD No. 42 MS4**

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

J. Certification

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Name (printed): Sonal Shah Title: President

Signature: Sonal Shah Date: 11/19/19

Name of MS4: **Fort Bend County MUD No. 46 MS4**

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

J. Certification

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Name (printed): JEROME COGAN Title: PRESIDENT

Signature: Jerome Cogan Date: 12/18/2019

Name of MS4: **Fort Bend County MUD No. 47 MS4**

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

J. Certification

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Name (printed): Donna Giblin Title: Board President

Signature: Donna Giblin Date: 12.12.19

Name of MS4: **Fort Bend County MUD No. 48 MS4**

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

J. Certification

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Name (printed): Joe Taylor Title: Authorized Representative

Signature: _____ Date: 11/7/2019

Name of MS4: **Fort Bend County MUD No. 49 MS4**

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

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): David B. Keel Title: President

Signature: Date: November 25, 2019

Name of MS4: **Fort Bend County MUD No. 115 MS4**

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

J. Certification

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Name (printed): MELVIN E. SANDERS Title: PRESIDENT

Signature: Melvin E Sanders Date: 11/20/19

Name of MS4: **Harris County MUD No. 122 MS4**

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

J. Certification

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Name (printed): Joe Taylor Title: Authorized Representative

Signature: _____ Date: 11/7/2019

Name of MS4: **Harris County WC&ID – Fondren Road MS4**

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

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): MORRIS R MITCHELL Title: G.M.

Signature: Morris R Mitchell Date: 11-07-19

Name of MS4: **Meadowcreek MUD MS4**

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

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): Joe Taylor Title: Authorized Representative

Signature: _____ Date: 11/7/2019

Name of MS4: **Palmer Plantation MUD No. 1 MS4**

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

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): Joe Taylor Title: Authorized Representative

Signature: _____ Date: 11/7/2019

Name of MS4: **Palmer Plantation MUD No. 2 MS4**

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

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): Joe Taylor Title: General Manager

Signature: _____ Date: 11/7/2019

Name of MS4: **Quail Valley Utility District MS4**

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

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): MORRIS R MITCHELL Title: G.M

Signature: Morris R Mitchell Date: 11-07-19

Name of MS4: **Thunderbird Utility District MS4**

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