PHASE II MS4 ANNUAL REPORT

PERMIT YEAR 6:

January 1, 2024 to December 31, 2024

Fort Bend County MUD No. 41

TPDES Permit No. TXR040224

QUIDDITY ENGINEERING

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040224

Reporting Year (year will be either 1, 2, 3, 4, or 5): 6 (per the guidance from TCEQ)

Annual Reporting Year Option Selected by MS4:

Calendar Year: X

Permit Year: _____

Fiscal Year: _____ Last day of fiscal year:_____

Reporting period beginning date: (month/date/year): January 1, 2024

Reporting period end date: (month/date/year): December 31, 2024

MS4 Operator Level: Level 2

Name of MS4: Fort Bend County MUD 41 MS4

Contact Name: Liz Stone with Quiddity Engineering (MS4 Administrator)

Telephone Number: (281) 363-4039

Mailing Address: 1575 Sawdust Road, Suite 400, The Woodlands, TX 78380

E-mail Address: lstone@quiddity.com

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		
Permittee is currently in compliance with recordkeeping and reporting requirements.	Yes		
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	Yes		
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report.	Yes		

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement:

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1.	3.1 Utility Bill Insert	YES. The MS4 distributed 881 stormwater educational inserts to the community in April 2024 regarding stormwater quality issues.
1.	4.1 Storm Drain Marking	YES. To date, approximately 257 inlet markers were placed on inlets by volunteers. No new inlet markers were placed in Permit Year 6.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
2.	3.1 Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Water & Structural Controls	YES. The map shows the location of inlets, outfalls, and surface waters within the MS4 service area. The MS4 map was evaluated, and no updates were needed in Permit Year 6.
2.	4.1 Training for Illicit Discharge Detection & Elimination	YES. An MS4 Training Session was conducted virtually on June 18, 2024, by the MS4 Consultant. The recorded presentation was placed on the Consultant's website (https://quiddity.com/municipal-separate-storm-sewer-system-training/). A digital sign-in sheet and certificate of attendance were documented for the participants.
2.	5.1 Public Reporting Using Utility Bill Inserts	YES. The MS4 distributed 881 educational inserts to the community in 2024 which provided a phone number for residents to report illicit discharges and other pollution concerns.
3.	6.1 Training for Construction Site Stormwater Runoff Control	YES. An MS4 Training Session was conducted virtually on June 18, 2024, by the MS4 Consultant. The recorded presentation was placed on the Consultant's website (https://quiddity.com/municipal-separate-storm-sewer-system-training/). A digital sign-in sheet and certificate of attendance were documented for the participants.
4.	6.1 Training for Post-Construction Stormwater Controls	YES. An MS4 Training Session was conducted virtually on June 18, 2024, by the MS4 Consultant. The recorded presentation was placed on the Consultant's website (https://quiddity.com/municipal-separate-storm-sewer-system-training/). A digital sign-in sheet and certificate of attendance were documented for the participants.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
5.	4.1 Training for Pollution Prevention & Good Housekeeping	YES. An MS4 Training Session was conducted virtually on June 18, 2024, by the MS4 Consultant. The recorded presentation was placed on the Consultant's website (https://quiddity.com/municipal-separate-storm-sewer-system-training/). A digital sign-in sheet and certificate of attendance were documented for the participants.
5.	5.1 Disposal of Waste	YES. The MS4 has three (3) spill response kits to prevent illicit discharges from entering the storm sewer system. The MS4 ensured that all waste collected at the MS4 facilities were properly disposed of in accordance with 30 TAC Chapters 330 and 335.
5.	7.1 Municipal Operation & Maintenance Activities	YES. The MS4's Emergency Spill Response Plan was evaluated, and no changes were needed in Permit Year 6. Additionally, the MS4 reviewed the list of possible pollutants of concern and pollution prevention measures for the facilities listed in the inventory list in BMP 5.3.1 and no changes were recommended.

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	Utility Bill Inserts	881	Educational Inserts	NO. Though this BMP does not result in a direct reduction of pollutants, stormwater educational inserts provide public education to residents with good housekeeping principles and pollution prevention measures.
1.	4.1	Storm Drain Marking	257	Inlet Markers	YES. Approximately 257 inlet markers have been placed by volunteers since the start of the inlet marking program. This BMP can have a direct impact in the reduction of pollutants.
1.	5.1	Opportunity for Public Comment	10	Board Meetings	NO. All residents, businesses, and visitors within the MS4 area have the opportunity to comment on the Storm Water Management Plan (SWMP) at the MS4's Board Meetings. Any comments received will be evaluated by the MS4 Administrator and considered for implementation. No comments were received in Permit Year 6.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2.	3.1	Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters, & Structural Controls	1	MS4 Map	NO. The MS4 map was evaluated, and no updates were needed in Permit Year 6. This BMP is helpful when tracking illicit discharges but does not directly reduce pollutants.
2.	4.1	Training for Illicit Discharge Detection and Elimination	1	Training Program	YES. The MS4 Training Session was conducted on June 18, 2024, through a live webinar. This BMP can have a direct reduction in pollutants by training field personnel to identify any illicit discharges.
2.	5.1	Public Reporting Using Utility Bill Insert	881	Education Inserts	YES. Stormwater educational inserts were distributed to the community which included a telephone number to report illicit discharges and other pollution violations. This BMP can directly impact the reduction of pollutants in stormwater.
2.	7.1	Evaluate the Rate Order for Illicit Discharge	1	Rate Order	YES. The MS4 adopted and began implementing a revised Rate Order in a Permit Year 3. No updates were needed in Permit Year 6. This BMP can potentially have a 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)
3.	3.1	Evaluate the Rate Order for Construction Site Stormwater Runoff Control	1	Rate Order	YES. The MS4 adopted and began implementing a revised Rate Order in a Permit Year 3. No updates were needed in Permit Year 6. This BMP can potentially have a direct reduction in pollutants.
3.	6.1	Training for Construction Site Stormwater Runoff Control	1	Training Program	YES. The MS4 Training Session was conducted on June 18, 2024, through a live webinar. This BMP can have a direct reduction in pollutants by helping field personnel identify any illicit discharges and other construction site concerns.
3.	7.1	Guidance Manual for Construction Site Stormwater Runoff Control	1	Guidance Manual	NO. The MS4 continued to utilize the "Construction Site and Post-Construction Runoff Controls Storm Water Permit and Storm Water Quality Plan Guidelines," provided by Fort Bend County to aid in implementing erosion and sediment controls, soil stabilization, and best management practices. This BMP does not have a 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)
4.	3.1	Evaluate the Rate Order to Address Post-Construction Runoff	1	Rate Order	YES. The MS4 adopted and began implementing a revised Rate Order in a Permit Year 3. No updates were needed in Permit Year 6. This BMP can potentially have a direct reduction in pollutants.
4.	4.1	Guidance Manual for Post-Construction Stormwater Controls	1	Guidance Manual	NO. The MS4 continued to utilize the "Construction Site and Post-Construction Runoff Controls Storm Water Permit and Storm Water Quality Plan Guidelines," provided by Fort Bend County to aid in providing information on how to provide long-term maintenance of post-construction stormwater control measures. This BMP does not have a direct reduction in pollutants.
4.	6.1	Training for Post-Construction Stormwater Controls	1	Training Program	YES. The MS4 Training Session was conducted on June 18, 2024, through a live webinar. This BMP can have a direct reduction in pollutants by helping field personnel identify any illicit discharge from permanent stormwater control devices.

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 & Stormwater Structural Controls	1	Inventory List	NO. The MS4's inventory list of facilities and stormwater controls was reviewed, and no changes were needed in Permit Year 6. This BMP does not have a direct reduction in pollutants in the MS4.
5.	4.1	Training for Pollution Prevention & Good Housekeeping	1	Training Program	YES. The MS4 Training Session was conducted on June 18, 2024, through a live webinar. This BMP can have a direct reduction in pollutants by assisting field personnel to conduct municipal activities that do not negatively impact the MS4.
5.	5.1	Disposal of Waste	3	Spill Response Kits	YES. The MS4 has three (3) spill response kits to prevent illicit discharges from entering the storm sewer system. The MS4 ensured all waste materials removed are in accordance with TAC Chapters 330 or 335. This BMP has a direct reduction in pollutants when implemented and if the kits are utilized.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5.	7.1	Municipal Operation & Maintenance Activities	1 1 5	Emergency Spill Response Plan List of Pollutants of Concerns and Prevention Measures Facility Inspections	YES. The MS4's Emergency Spill Response Plan was evaluated, and no changes were needed in Permit Year 6. Additionally, the MS4 reviewed the list of possible pollutants of concern and pollution prevention measures for the facilities listed in the inventory list in BMP 5.3.1; no changes were recommended. Inspections were conducted at five (5) MS4 facilities, but no major incidents of non-compliance were observed. These BMPs can potentially have a direct reduction in the pollutants.

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals**:**

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1.	3.1 Utility Bill Inserts – Distribute to 100% of the MS4 Annually	MET GOAL. A total of 881 stormwater educational inserts were distributed to the community with the residents' utility bills in April 2024. This met the measurable goal of annual distribution.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1.	4.1 Storm Drain Marking – report 100% of installed markers annually	MET GOAL. The MS4's storm drain marking program was promoted in the annual utility bill insert and to date, about 257 inlet markers have been installed.
1.	5.1 Opportunity for Public Comment – hold Monthly Board Meetings	MET GOAL. All residents, businesses, and visitors within the MS4 area have the opportunity to comment on the SWMP at the MS4's predominately monthly Board Meetings. Any comments received will be evaluated and considered for implementation. No comments were received in Permit Year 6.
2.	3.1 Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters, and Structural Controls – Annually Review MS4 Map	MET GOAL. The MS4 map was reviewed in Permit Year 6 and no updates were needed.
2.	4.1 Training for Illicit Discharge Detection & Elimination – Hold One Training Session Annually	MET GOAL. One (1) MS4 Training Session was conducted in Permit Year 6 on June 18, 2024, through a webinar by the MS4 Administrator. The recorded presentation was placed on the MS4 Administrator's website https://quiddity.com/municipal-separate-storm-sewer-system-training/.
2.	5.1 Public Reporting Using Utility Bill Inserts – Advertise contact information annually	MET GOAL. A total of 881 stormwater education inserts were distributed to the community during Permit Year 6 which provided a phone number for residents to report illicit discharges and other pollutant concerns to the District Operator of the MS4.
2.	6.1 Responding to Illicit Discharges & Spills – respond to 100% of potential illicit discharges	MET GOAL. Zero (0) illicit discharge was reported in Permit Year 6. The MS4 has a program in place to respond to all reported and potential illicit discharges and conduct the appropriate action(s).

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
2.	6.2 Source Investigation of Illicit Discharges – investigate 100% of reported potential illicit discharges	MET GOAL. Zero (0) illicit discharges were reported within the MS4 service area. However, the MS4 has a program in place to gather the appropriate information, prioritize the risk, and assess the situation for all reported illicit discharges.
2.	6.3 Source Elimination of Illicit Discharges – eliminate 100% of reported potential illicit discharges	MET GOAL. Zero (0) illicit discharges were reported in the MS4 service area. However, the MS4 has a program in place to safely remove the illicit discharge and prevent the unauthorize discharge from affecting the MS4.
2.	7.1 Evaluate the Rate Order for Illicit Discharges – Review Rate Order annually	MET GOAL. The MS4 adopted a revised Rate Order in a previous permit year. Changes were not recommended in Permit Year 6 and it continued to be implemented.
3.	3.1 Evaluate the Rate Order for Construction Site Stormwater Runoff Control – Review Rate Order annually	MET GOAL. The MS4 adopted a revised Rate Order in a previous permit year. Changes were not recommended in Permit Year 6 and it continued to be implemented.
3.	4.1 Construction Site Plan Review – review 100% of applicable site plan reviews	MET GOAL. Zero (0) construction drawings were received and reviewed to prevent water quality impacts within the MS4. A variety of items are evaluated such as erosion and sediment controls, best management practices, and soil stabilization.
3.	5.1 Construction Site Inspection & Enforcement – inspect 100% of applicable construction sites	MET GOAL. Zero (0) construction site inspections were performed in the MS4 in Permit Year 6. The Construction Inspector would have inspected the construction site during the preliminary stages to ensure all stormwater quality BMPs are properly installed and maintained.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
3.	6.1 Training for Construction Site Stormwater Runoff Control – Hold One Training Session Annually	MET GOAL. One (1) MS4 Training Session was conducted in Permit Year 6 on June 18, 2024, through a webinar by the MS4 Administrator. The recorded presentation was placed on the MS4 Administrator's website https://quiddity.com/municipal-separate-storm-sewer-system-training/.
3.	7.1 Guidance Manual for Construction Site Stormwater Runoff Control – Continue Utilizing	MET GOAL. The MS4 continued to utilize "Construction Site and Post-Construction Runoff Controls Stormwater Permit and Stormwater Quality Plan Guidelines" provided by Fort Bend County to aid in implementing construction site BMPs.
4.	3.1 Evaluate the Rate Order to Address Post-Construction Runoff – Review Rate Order annually	MET GOAL. The MS4 adopted a revised Rate Order in a previous permit year. Changes were not recommended in Permit Year 6 and it continued to be implemented.
4.	4.1 Guidance Manual for Post-Construction Stormwater Controls – Continue Utilizing	MET GOAL. The MS4 continued to utilize "Construction Site and Post-Construction Runoff Controls Stormwater Permit and Stormwater Quality Plan Guidelines" provided by Fort Bend County to aid in implementing post-construction BMPs.
4.	5.1 Inspection Program for Post-Construction Stormwater Controls – inspect 100% of all completed applicable construction sites	MET GOAL. Zero (0) post-construction projects were performed to ensure permanent structural controls were properly constructed reducing the potential impact of illicit discharges which disturb 1 or more acres.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
4.	6.1 Training for Post-Construction Stormwater Controls – Hold One Training Session Annually	MET GOAL. One (1) MS4 Training Session was conducted in Permit Year 6 on June 18, 2024, through a webinar by the MS4 Administrator. The recorded presentation was placed on the MS4 Administrator's website https://quiddity.com/municipal-separate-storm-sewer-system-training/.
5.	3.1 Inventory of Facilities & Stormwater Structural Controls – Review Inventory List	MET GOAL. The MS4's list of facilities and stormwater structural controls was reviewed in Permit Year 6, and no changes were needed.
5.	4.1 Training for Pollution Prevention & Good Housekeeping – Hold One Training Session Annually	MET GOAL. One (1) MS4 Training Session was conducted in Permit Year 6 on June 18, 2024, through a webinar by the MS4 Administrator. The recorded presentation was placed on the MS4 Administrator's website https://quiddity.com/municipal-separate-storm-sewer-system-training/.
5.	5.1 Disposal of Waste – document number of spill response kits	MET GOAL. The MS4 has three (3) spill response kits to prevent illicit discharges from entering the storm sewer system. The MS4 continued to ensure that all waste collected at MS4 facilities were properly disposed of in accordance with 30 TAC Chapters 330 and 335.
5.	6.1 Contractor Oversight – Implement Phase	MET GOAL. In Permit Year 6, the MS4 began to include text to use in contractors' legal documents stating their work will not have a negative effect on the storm sewer system nor will their storm water runoff will not be considered an illicit discharge.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
5.	7.1 Municipal Operation & Maintenance Activities – Evaluate O&M	MET GOAL. The MS4's Emergency Spill Response Plan was evaluated in Permit Year 6, and no changes were needed. Additionally, the MS4 reviewed the list of possible pollutants of concern and pollution prevention measures for the facilities listed in the inventory list in BMP 5.3.1; no changes were recommended. Five (5) facilities were inspected to ensure stormwater runoff from these sites is not negatively impacting the receiving water bodies. No major incidents of non-compliance were observed.

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.?

Due to the allocated resources the MS4 did not conduct any sampling or analytical monitoring. The MS4 has provided qualitative information as proof of successfully achieving the measurable goals and benchmarks.

The MS4 has availability of three (3) spill response kits to prevent illicit discharges from entering the storm sewer system. The MS4 continues to ensure that all waste collected at MS4 facilities were properly disposed in accordance with 30 TAC Chapters 330 and 335.

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.

   Fort Bend County MUD 41 MS4 discharges to an unclassified segment 1245A - Red Gully, which ultimately discharges into classified segment 1245 - Upper Oyster Creek. Segment 1245 was already listed in an EPA-approved 303(d) list and Texas Integrated Report of Surface Water Quality for CWA Section 305(b) and 303(d). This is not a newly identified impaired waterbody. The segment

is impaired for bacteria and depressed dissolved oxygen. This waterbody was listed in the MS4's Stormwater Management Program. No newly listed impaired waterbodies have been added that are within the permitted MS4 area.

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 may contribute to the impairment in waterbodies.

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

   All BMPs outlined in the MS4's SWMP target residents, businesses, commercial and industrial facilities that reside within the MS4's jurisdiction. Each BMP is focused on detecting, addressing, and eliminating impairments caused by bacteria and depressed dissolved oxygen.

   The MS4 has determined no concerning pollutants discharged from the MS4 based on observational data during Permit Year 6. As a result of these observations, all discharges from the MS4s were unlikely to contain concerning levels of bacteria and dissolved oxygen. The MS4 will continue to implement the BMPs outlined in the SWMP to prevent pollutants of concern entering the waterway. If pollutants of concern are observed in future permit years, the MS4 will refer to the TCEQ-approved Implementation Plan (I-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 MS4 will identify alternative BMPs that address new or increased efforts towards the benchmark.

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	1.26×10^8 counts of E. coli bacteria in stormwater runoff per day	Public outreach efforts reduce the probability of bacteria resulting from illicit discharges by 2%.	Permit Year 6

Benchmark Parameter	Benchmark Value*	Description of additional sampling or other assessment activities*	Year(s) conducted
Bacteria	1.26 *x* 10^8 counts of E. coli bacteria in stormwater runoff per day	Restricting illicit discharges reduce the probability of bacteria resulting from illicit discharges by 20%.	Permit Year 6
Bacteria	1.26 *x* 10^8 counts of E. coli bacteria in stormwater runoff per day	Restricting illicit discharges from construction runoff reduces the probability of bacteria from entering the storm sewer inlets by 20%.	Permit Year 6
Bacteria	1.26 *x* 10^8 counts of E. coli bacteria in stormwater runoff per day	Reviewing construction drawings for BMPs which address erosion and sediment controls reduces the probability of bacteria from entering the storm sewer system by 20%.	Permit Year 6
Bacteria	1.26 *x* 10^8 counts of E. coli bacteria in stormwater runoff per day	Evaluating construction sites for illicit discharges reduces the probability of bacteria from entering the storm sewer system by 20%.	Permit Year 6
Bacteria	1.26 *x* 10^8 counts of E. coli bacteria in stormwater runoff per day	Utilizing the guidance manual assists in the implementation of erosion and sediment controls, soil stabilization, and BMPs by 2%.	Permit Year 6
Bacteria	1.26 *x* 10^8 counts of E. coli bacteria in stormwater runoff per day	Restricting illicit discharge from post-construction runoff reduces the probability of bacteria from entering the storm sewer inlets by 20%.	Permit Year 6
Bacteria	1.26 *x* 10^8 counts of E. coli bacteria in stormwater runoff per day	Evaluating completed construction sites to ensure structural controls were properly installed reduces the probability of bacteria from entering the storm sewer system by 20%.	Permit Year 6

*Obtained from *Implementation Plan for Two Total Maximum Daily Loads for Dissolved Oxygen and One Total Maximum Daily Load for Bacteria in Upper Oyster Creek (I-Plan),* approved by the EPA January 15, 2014.

Benchmark Parameter	Benchmark Value*	Description of additional sampling or other assessment activities*	Year(s) conducted

Benchmark values were not created for depressed oxygen demand. As stated in the I-Plan, it is expected that many of the bacteria improvements will also impact depressed oxygen demand favorably.

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	Public Education Program - Educational Materials and Public Outreach Efforts	Educational materials raised awareness of stormwater quality concerns and encouraged public reporting when illicit discharges were potentially identified. The MS4's inlet marking program provides involvement in the SWMP and urges participants to report illicit discharges and other environmental concerns.
Bacteria	Illicit Discharge and Elimination Program	The MS4 responds to all reported illicit discharges and environmental concerns. These incidents are fully documented and remediated to the maximum extent practicable.
Bacteria	Construction Site Plan Review and Site Inspections	Restricting illicit discharges from construction activities reduces the probability of pollutants entering the storm sewer system. Performing reviews on construction drawings and inspections on construction projects ensures that appropriate BMPs are being implemented to minimize the discharge of possible impairments.
Bacteria	Municipal Operations and Good Housekeeping Practices	Routine maintenance and inspection procedures of MS4 facilities assist in minimizing illicit discharges. If minor spills occur, the MS4 has immediate use of three (3) spill response kits.

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

Description of bacteria-focused BMP	Comments/Discussion
Sanitary Sewer Systems	The MS4 made various improvements and routine maintenance to their Wastewater Treatment Plant, lift stations, and other sanitary sewer units, as needed. These include the rehabilitation of gravity wastewater utilities of 18-inch pipe size via Cured-In-Place (CIPP), point repairs, defective lead repairs, removal of roots and other fixed obstructions, removal of protruding leads, heavy cleaning, and reconnection after CIPP.
On-Site Sewage Facilities (for entities with appropriate jurisdiction)	No on-site sewage facilities are knowingly located within the MS4 jurisdiction and the MS4 does not allow on-site sewage facilities within their jurisdiction.
Illicit Discharges and Dumping	The District Operator for the MS4 inspects grease and/or grit traps from commercial establishments located in the MS4 service area on a regular basis.
Animal Sources	Zoos, horse stables, and other similar facilities are not knowingly located within the MS4. In the future the MS4 will be conscious of these types of facilities should they be in their jurisdiction and will include them in the distribution of stormwater quality education material that discusses animal waste.
Residential Education	The annual utility bill insert requested the public to pick up their pet waste and properly dispose of it. Additionally, it is recommended that pools should be drained to the sanitary sewer system. The MS4 will research additional means to educate their residents.

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

Benchmark Indicator	Description/Comments
Number of Educational Materials Distributed to the Community	A total of 881 stormwater education material were distributed to residents within the MS4 service area. The information addressed good housekeeping principles, proper pet waste disposal, and provided a phone number to call for environmental concerns in the MS4.

E. Stormwater Activities

Describe activities planned for the next reporting year:

In accordance with TCEQ's regulatory guidance, the activities listed below are a continuation of Permit Year 6 Best Management Practices as stated in the Permittee's TCEQ-approved Stormwater Management Program.

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	1.3.1	Utility Bill Inserts	Update and revise the educational materials, if needed, and distribute education material annually to 100% of the community.
1	1.4.1	Storm Drain Marking	Continue to offer volunteers the opportunity to place markers, as needed.
1	1.5.1	Opportunity for Public Comment	Continue to hold monthly public meetings where the general public can address questions and comments about the SWMP. If available, the public notice will be published in accordance with the General Permit.
2	2.3.1	Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters & Structural Controls	Update and revise the map if new data related to the storm sewer system is identified.
2	2.4.1	Training for Illicit Discharge Detection & Elimination	Hold at least one (1) training session annually and offer the training program to appropriate staff.
2	2.5.1	Public Reporting Using Utility Bill Inserts	Advertise the current contact information for the MS4 and distribute to 100% of the MS4 annually.
2	2.6.1	Responding to Illicit Discharges & Spills	Respond to 100% of reported illicit discharges annually. Evaluate procedures for responding and conducting appropriate actions and update, if needed.

MCM(s)	BMP	Stormwater Activity	Description/Comments
2	2.6.2	Source Investigation of Illicit Discharges	Investigate 100% of reported illicit discharges. Evaluate investigation procedures and update, if needed.
2	2.6.3	Source Elimination of Illicit Discharges	Eliminate 100% of reported illicit discharges, if applicable. Evaluate procedures and update, if needed.
2	2.7.1	Evaluate the Rate Order for Illicit Discharges	Review and update, if needed, the Rate Order for necessary changes to ensure compliance with the General Permit.
3	3.3.1	Evaluate the Rate Order for Construction Site Stormwater Runoff Control	Review and update, if needed, the Rate Order for necessary changes to ensure compliance with the General Permit.
3	3.4.1	Construction Site Plan Review	Continue to conduct plan reviews of 100% of applicable submittals.
3	3.5.1	Construction Site Inspections & Enforcement	Continue to conduct construction site inspections on 100% of applicable construction sites.
3	3.6.1	Training for Construction Site Stormwater Runoff Control	Hold at least one (1) training session annually and offer the training program to appropriate staff.
3	3.7.1	Guidance Manual for Construction Site Stormwater Runoff Control	Continue utilizing the guidance manual to aid in implementing construction site BMPs, as necessary.
4	4.3.1	Evaluate the Rate Order to Address Post-Construction Runoff	Review and update, if needed, the Rate Order for necessary changes to ensure compliance with the General Permit.
4	4.4.1	Guidance Manual for Post-Construction Stormwater Controls	Continue utilizing the guidance manual to aid in implementing post-construction site BMPs, as necessary.

MCM(s)	BMP	Stormwater Activity	Description/Comments
4	4.5.1	Inspection Program for Post-Construction Stormwater Controls	Continue to conduct inspections on 100% of applicable, completed projects, as needed.
4	4.6.1	Training for Post-Construction Stormwater Controls	Hold at least one (1) training session annually and offer the training program to appropriate staff.
5	5.3.1	Inventory of Facilities & Stormwater Structural Controls	Continue to maintain an MS4 inventory list of 100% permittee-owned facilities and stormwater structural controls and update, as needed.
5	5.4.1	Training for Pollution Prevention & Good Housekeeping	Hold at least one (1) training session annually and offer the training program to appropriate staff.
5	5.5.1	Disposal of Waste	Continue to ensure a spill response kit is available for the MS4. Evaluate methods of waste disposal to ensure all waste is properly disposed and does not contribute as illicit material.
5	5.6.1	Contractor Oversight	Finalize language to insert in legal documents for new MS4 contractors to use the appropriate BMPs, control measures, and/or standard operating procedures to minimize potential runoff pollution.
5	5.7.1	Municipal Operation & Maintenance Activities	Identify and evaluate all operation and maintenance activities for their potential to discharge pollutants in stormwater.

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?

   ___ Yes _X_ No

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

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

___ Yes _X_ No

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

___ Yes ___ No

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):

   0

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.	N/A
The total number of acres disturbed for municipal construction projects.	N/A

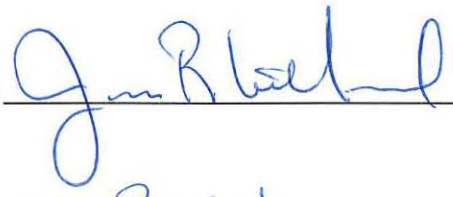
Note: *Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.*

J. Certification

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

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

Name (printed): Juan R. Villarreal

Signature: 

Title: MUD 41 President

Date: 04/07/2025

Name of MS4: **Fort Bend County MUD 41 MS4**