# PHASE II MS4 ANNUAL REPORT

PERMIT YEAR 5: 2023

For

FORT BEND COUNTY MUD No. 151

FORT BEND COUNTY, TEXAS
TPDES Permit No. TXR040433

QUIDDITY
ENGINEERING

# Phase II (Small) MS4 Annual Report Form

### TPDES General Permit Number TXR040000

## A. General Information

Authorization Number: TXR040433

Reporting Year (year will be either 1, 2, 3, 4, or 5): __5__

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, 2023

Reporting period end date: (month/date/year): December 31, 2023

MS4 Operator Level: Level 2

Name of MS4: Fort Bend County MUD 151 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 | | The MS4 submitted their SWMP to TCEQ by the requested deadline, and the SWMP was approved by TCEQ on October 10, 2023. |
| 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:

| 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. Approximately, 3,503 stormwater educational utility bill inserts were distributed in February 2023. The inserts provided general stormwater education and good housekeeping practices. |
| 1. | 3.2 Utilize MS4 Website | YES. The MS4 posted their submitted Annual Reports on its website (https://www.fbcmud151.com/documents) to comply with the Phase II General Permit requirements. They also posted guidelines for recycling and heavy/bulk trash collection. |

| MCM(s) | BMP | BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)? |
|---|---|---|
| 1. | 4.1 Storm Drain Marking | YES. Approximately 820 inlet markers were installed by volunteers in previous permit years. The MS4 will continue promoting the inlet marking program to install new and missing inlet markers in the upcoming permit years. |
| 2. | 3.1 Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters & Structural | YES. The MS4 map which identifies the approximate location of all inlets, outfalls, surface waters, and structural controls was reviewed and no updates were needed in Permit Year 5. |
| 2. | 4.1 Training for Illicit Discharge Detection & Elimination | YES. A MS4 Training Session was conducted on July 18, 2023 through a webinar by the MS4 Administrator. The recorded presentation was also placed on the MS4 Administrator's website https://quiddity.com/municipal-separate-storm-sewer-system-training/. A digital sign-in sheet and certificate of attendance were documented for the attendees. |
| 2. | 5.1 Public Reporting Using Utility Bill Inserts | YES. One (1) storm water educational insert was distributed to approximately 3,503 users from the community. The insert provided a phone number for residents to report illicit discharges, illegal dumping, and other environmental concerns. |
| 3. | 6.1 Training for Construction Site Stormwater Runoff Control | YES. A MS4 Training Session was conducted on July 18, 2023 through a webinar by the MS4 Administrator. The recorded presentation was also placed on the MS4 Administrator's website https://quiddity.com/municipal-separate-storm-sewer-system-training . A digital sign-in sheet and certificate of attendance were documented for the attendees. The MS4 Administrator provided educational training on how to identify construction site issues and enforcement procedures to ensure all construction sites maintain in compliance with the Construction General Permit TPDES TXR150000. |

| MCM(s) | BMP | BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)? |
|---|---|---|
| 4. | 6.1 Training for Post-Construction Stormwater Controls | YES. A MS4 Training Session was conducted on July 18, 2023 through a webinar by the MS4 Administrator. The recorded presentation was also placed on the MS4 Administrator's website https://quiddity.com/municipal-separate-storm-sewer-system-training. A digital sign-in sheet and certificate of attendance were documented for the attendees. Training was provided on the post-construction site storm water runoff control program, the guidance documents that are referenced, and how to inspect/maintain the MS4's permanent structural controls. |
| 5. | 4.1 Training for Pollution Prevention & Good Housekeeping | YES. A MS4 Training Session was conducted on July 18, 2023 through a webinar by the MS4 Administrator. The recorded presentation was also placed on the MS4 Administrator's website https://quiddity.com/municipal-separate-storm-sewer-system-training. A digital sign-in sheet and certificate of attendance were documented for the attendees. The MS4 Administrator provided educational training to those who are responsible for implementing pollution prevention measures and good housekeeping principals in municipal activities and municipally owned facilities. |
| 5. | 5.1 Disposal of Waste | YES. The MS4 Operator ensured correct disposal of waste within the MS4 per the guidelines stated in 30 TAC Chapters 330 or 335. The MS4 provided five (5) spill response kits to prevent illicit discharges from entering the storm sewer system. |
| 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 5. 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. |

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 | 3,503 | Stormwater Educational Inserts | NO. Though this BMP does not result in a direct reduction of pollutants, educational inserts or messages provide public education to residents on good housekeeping principles and pollution prevention measures. |
| 1. | 3.2 | Utilize MS4 Website | 4<br><br>1 | Annual Reports<br>Recycling and Bulk Trash Guidelines | NO. The MS4 posted their previously submitted Annual Report on its website (https://www.fbcmud151.com/documents). Various educational material such as stormwater quality information and recycling guidelines are also posted on the District's general website. While the website is helpful in engaging and educating the public, it does not directly reduce pollutants. |
| 1. | 3.3 | District Operation Signs | 22 | Pet Waste Stations | YES. The District provided approximately 22 pet waste stations in the MS4. These stations demonstrate a direct reduction in pollutants because if the pollutant is not picked up, it will directly enter the MS4. |
| 1. | 4.1 | Storm Drain Marking | 820 | Inlet Markers | YES. Approximately 820 inlet markers were installed by volunteers in previous permit years. Since these are placed on inlets which are directly connected to the MS4, this BMP can have a direct impact in the reduction of pollutants. |

| MCM | BMP | Information Used | Quantity | Units | Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain) |
|---|---|---|---|---|---|
| 1. | 5.1 | Opportunity for Public Comment | 12 | Board Meetings | YES. Permit Year 5 best management practices were discussed at the MS4's monthly Board Meetings that are open to the public. This allows the public to provide comments at the Board Meetings. This BMP can have a direct reduction in pollutants depending on the content of the comment. No comments were received in Permit Year 5. |
| 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 5. 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. An MS4 Training Session was conducted on July 18, 2023, through a webinar. The training presentation can have a direct reduction in pollutants by helping field personnel identify any illicit discharge. |
| 2. | 5.1 | Public Reporting Using Utility Bill Insert | 3,503 | Educational Inserts | YES. One (1) stormwater educational insert was distributed to approximately 3,503 users from the community that provided a phone number for residents to report illicit discharges, illegal dumping, and other environmental concerns. This BMP can directly impact the reduction of pollutants in stormwater. |

| MCM | BMP | Information Used | Quantity | Units | Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain) |
|---|---|---|---|---|---|
| 2. | 5.2 | Public Reporting Using District Website | 1 | MS4 Website | NO. The MS4's stormwater quality website (www.CleanBayous.org) has an electronic form to report illegal dumping and the MS4's main website (www.fbcmud151.com) provides a phone number and form for residents to report environmental concerns. While these websites are helpful in engaging the public, it does not directly reduce pollutants. |
| 2. | 7.1 | Evaluation of Rate Order for Illicit Discharge | 1 | Rate Order | YES. The MS4 formally adopted a revised Rate Order in Permit Year 3. No changes were proposed in Permit Year 5. This BMP can directly impact the reduction of pollutants in stormwater. |
| 3. | 3.1 | Evaluation of Rate Order for Construction Site Stormwater Runoff Control | 1 | Rate Order | YES. The MS4 formally adopted a revised Rate Order in Permit Year 3. No changes were proposed in Permit Year 5. This BMP can directly impact the reduction of pollutants in stormwater. |
| 3. | 6.1 | Training for Construction Site Stormwater Runoff Control | 1 | Training Program | YES. An MS4 Training Session was conducted on July 18, 2023, through a webinar by the MS4 Administrator. The training presentation can have a direct reduction in pollutants by helping field personnel identify any illicit discharge and other construction site concerns. |

| MCM | BMP | Information Used | Quantity | Units | Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain) |
|---|---|---|---|---|---|
| 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 Stormwater Permit and Storm Water Quality Plan Guidelines" by Fort Bend County to aid in implementing construction site BMPs. While the guidance manual provides information on how to implement erosion and sediment controls, soil stabilization, and best management practices, it does not have a direct reduction in pollutants. |
| 4. | 3.1 | Evaluation of Rate Order to Address Post-Construction Runoff | 1 | Rate Order | YES. The MS4 formally adopted a revised Rate Order in Permit Year 3. No changes were proposed in Permit Year 5. This BMP can directly impact the reduction of pollutants in stormwater. |
| 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 Stormwater Permit and Stormwater Quality Plan Guidelines" by Fort Bend County to aid in implementing post-construction BMPs. The guidance manual provides information on how to provide long-term maintenance of post-construction stormwater control measures, it 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. | 6.1 | Training for Post-Construction Stormwater Controls | 1 | Training Program | YES. An MS4 Training Session was conducted on July 18, 2023, through a webinar by the MS4 Administrator. The training presentation can have a direct reduction in pollutants by helping field personnel identify post-construction concerns. |
| 5. | 3.1 | Inventory of Facilities & Stormwater Structural Controls | 1 | Inventory List | NO. The MS4 inventory of facilities and storm water structural controls was evaluated and no updates were made in Permit Year 5. This list does not have a direct reduction in pollutants in the MS4. |
| 5. | 4.1 | Training for Pollution Prevention & Good Housekeeping | 1 | Training Program | YES. An MS4 Training Session was conducted on July 18, 2023, through a webinar by the MS4 Administrator. The training presentation can have a direct reduction in pollutants by assisting municipal staff in proper pollution previous and good housekeeping procedures. |
| 5. | 5.1 | Disposal of Waste | 5 | Spill Response Kit | YES. Five (5) spill response kits were supplied for the MS4 that are used to prevent illicit discharges from entering the storm sewer system. The MS4 ensured that all waste collected at MS4 facilities were properly disposed in accordance with 30 TAC Chapter 330 and 335. The kit will have a direct reduction of pollutants into the MS4 if used. |

| 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<br><br>1 | Emergency Spill Response Plan<br>List of Pollutants of Concern & Prevention Measures | YES. The MS4's Emergency Spill Response Plan was reviewed, and no updates were needed in Permit Year 5. If the plan must be utilized, it can have a direct reduction in pollutants. Upon review of their municipal facilities from BMP 5.3.1, the MS4 developed a list of possible pollutant of concerns and pollution prevention measures to minimize the effect of these pollutants. |
| 5. | 7.2 | Assessment of Storm & Sanitary Sewer Systems | 19<br><br>176<br><br>Varies | Swimming Pool Inspections<br>Grease Trap Inspections<br>Mowing of District Property | YES. In Permit Year 5, the Operator for the MS4 performed approximately nineteen (19) residential pool inspections for proper connection to the sanitary sewer system. Additionally, this District Operator conducted an estimated 176 commercial grease trap inspections for proper maintenance. Mowing of the District's central channels occurred monthly and mowing of the west channels, east detention pond, and west detention pond occurred twice a month. These BMPs can have a direct pollutant reduction in adjacent waterways. |

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. Approximately, 3,503 stormwater educational utility bill inserts were distributed in February 2023. The inserts provided general stormwater education and good housekeeping practices. |
| 1. | 3.2 Utilize MS4 Website – post approved SWMP, submitted Annual Report and electronic educational material | MET GOAL. The MS4 posted their previously submitted Annual Reports on its website (https://www.fbcmud151.com/documents). Various educational information is also provided on the MS4's website. The approved SWMP was also posted as required. |
| 1. | 3.3 District Operation Signs – verify sign annually | GOAL NOT MET. The Goal was not met because these signs are no longer available in the District. |
| 1. | 4.1 Storm Drain Marking – report 100% of installed markers annually | MET GOAL. Approximately 820 inlet markers were installed by volunteers in previous permit years. The MS4 will continue promoting the inlet marking program to install new and missing inlet markers in the upcoming permit years. |
| 1. | 5.1 Opportunity for Public Comment – hold Monthly (12) Board Meetings | MET GOAL. Monthly (12) Board Meetings are open to the public. Residents, businesses, and other interested parties within the MS4 area have an opportunity to comment on the SWMP. No comments were received in Permit Year 5. |
| 2. | 3.1 Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters, and Structural Controls – annually evaluate and update | MET GOAL. The MS4 map was evaluated, and no updates were needed in Permit Year 5. |

| MCM(s) | Measurable Goal(s) | Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain. |
|---|---|---|
| 2. | 4.1 Training for Illicit Discharge Detection & Elimination – hold one (1) training session annually | MET GOAL. The MS4 held one (1) training session on July 18, 2023, through a webinar. A digital sign-in sheet was documented for the attendees. |
| 2. | 5.1 Public Reporting Using Utility Bill Inserts – distribute to the community annually | MET GOAL. One (1) stormwater educational insert was distributed once to the community. The insert provided a phone number for residents to report illicit discharges, illegal dumping, and other environmental concerns. |
| 2. | 5.2 Public Reporting Using District Website – ensure information is online annually | MET GOAL. The MS4's website has an electronic form to report environmental concerns (https://www.fbcmud151.com/contact). A phone number is also posted online to report suspected illicit activities. |
| 2. | 5.3 Public Reporting Using District Operation Signs – verify sign is posted annually | GOAL NOT MET. The Goal was not met because these signs are no longer available in the District. |
| 2. | 6.1 Responding to Illicit Discharges & Spills – respond to 100% of reported illicit discharges | MET GOAL. Even though zero (0) illicit discharges were reported during Permit Year 5, the MS4 has a program in place to respond to all reports and conduct the appropriate actions that concern illicit discharges and spills. |
| 2. | 6.2 Source Investigation of Illicit Discharges – respond to 100% of reported illicit discharges | MET GOAL. Even though zero (0) illicit discharges were reported during Permit Year 5, the MS4 has a program in place to gather the appropriate information, prioritized the potential risk, and assessed the situation of alleged illicit discharges. |
| 2. | 6.3 Source Elimination of Illicit Discharges – respond to 100% of reported illicit discharges | MET GOAL. Even though zero (0) illicit discharges were reported during Permit Year 5, the MS4 has a program in place to gather the appropriate information, prioritized the potential risk, and assessed the situation of alleged illicit discharges. |

| MCM(s) | Measurable Goal(s) | Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain. |
|---|---|---|
| 2. | 7.1 Evaluate the Rate Order for Illicit Discharges – review and continue implementing | MET GOAL. The MS4 formally adopted a revised Rate Order in Permit Year 3. No changes were proposed in Permit Year 5. |
| 3. | 3.1 Evaluate the Rate Order for Construction Site Stormwater Runoff Control – review and continue implementing | MET GOAL. The MS4 formally adopted a revised Rate Order in Permit Year 3. No changes were proposed in Permit Year 5. |
| 3. | 4.1 Construction Site Plan Review – review 100% of applicable site plan reviews | MET GOAL. Zero (0) construction drawings were received and reviewed on applicable projects to prevent water quality impacts within the MS4. |
| 3. | 5.1 Construction Site Inspection & Enforcement – inspect 100% of applicable construction sites | MET GOAL. Zero (0) construction site inspections were performed on applicable construction drawings that were reviewed in Permit Year 5. |
| 3. | 6.1 Training for Construction Site Stormwater Runoff Control – hold one training session annually | MET GOAL. The MS4 held one (1) training session on July 18, 2023, through a webinar. A digital sign-in sheet was documented for the attendees. |
| 3. | 7.1 Guidance Manual for Construction Site Stormwater Runoff Control – continue utilizing | MET GOAL. The MS4 continued to utilize the "Construction Site and Post-Construction Runoff Controls Stormwater Permit and Stormwater Quality Plan Guidelines" by Fort Bend County to aid in implementing construction site BMPs. |

| MCM(s) | Measurable Goal(s) | Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain. |
|---|---|---|
| 3. | 8.1 Construction Site Inventory – maintain and update annually | MET GOAL. The MS4 maintains a record of all active construction sites within the MS4 service area, but no construction occurred in Permit Year 5. |
| 4. | 3.1 Evaluate the Rate Order to Address Post-Construction Runoff – review and continue implementing | MET GOAL. The MS4 formally adopted a revised Rate Order in Permit Year 3. No changes were proposed in Permit Year 5. |
| 4. | 4.1 Guidance Manual for Post-Construction Stormwater Controls – continue implementing | MET GOAL. The MS4 continued to utilize the "Construction Site and Post-Construction Runoff Controls Stormwater Permit and Stormwater Quality Plan Guidelines" by Fort Bend County aid in implementing post-construction BMPs. |
| 4. | 5.1 Inspection Program for Post-Construction Stormwater Controls – inspect 100% of applicable completed construction sites | MET GOAL. Zero (0) post-construction inspections were performed to ensure permanent structural controls were properly constructed reducing the potential impact of illicit discharges. |
| 4. | 6.1 Training for Post-Construction Stormwater Controls – hold one training session annually | MET GOAL. The MS4 held one (1) training session on July 18, 2023, through a webinar. A digital sign-in sheet was documented for the attendees. |
| 5. | 3.1 Inventory of Facilities & Stormwater Structural Controls – maintain and update, as needed | MET GOAL. The MS4 inventory of facilities and storm water structural controls was evaluated and no updates were made in Permit Year 5. |

| MCM(s) | Measurable Goal(s) | Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain. |
|---|---|---|
| 5. | 4.1 Training for Pollution Prevention & Good Housekeeping – hold one training session annually | MET GOAL. The MS4 held one (1) training session on July 18, 2023, through a webinar. A digital sign-in sheet was documented for the attendees. |
| 5. | 5.1 Disposal of Waste – document number of spill kit responses | MET GOAL. Five (5) spill response kits were supplied from the MS4 to prevent illicit discharges from entering the storm sewer system. The MS4 ensured all waste materials removed are properly disposed of in accordance with 30 TAC Chapters 330 or 335 and do not contribute as pollutants within the MS4. |
| 5. | 6.1 Contractor Oversight – Implementation Phase | MET GOAL. In Permit Year 5, the MS4 began to include text to use in new contractors' legal documents stating their work will not have a negative effect on the storm sewer system nor will their stormwater runoff will not be considered an illicit discharge. |
| 5. | 7.1 Municipal Operation & Maintenance Activities – summarize O&M activities | MET GOAL. The MS4's Emergency Spill Response Plan was evaluated, and no changes were needed in Permit Year 5. 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. |
| 5. | 7.2 Assessment of Storm & Sanitary Sewer Systems – repair 100% of underlying sanitary sewer issues | MET GOAL. In Permit Year 5, the Operator for the MS4 performed commercial grease trap inspections and residential pool inspections. Mowing of the District's grassy areas and channels occurred monthly or as needed. |

## 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 allocated resources the MS4 did not conduct sampling nor analytical monitoring. The MS4 has provided qualitative information as proof of successfully achieving the measurable goals and benchmarks.

The MS4 distributed 3,503 stormwater educational inserts to their water users in Permit Year 5. The inserts provided general information regarding stormwater quality issues and promoted good housekeeping practices. The educational inserts also gave a phone number for residents to report illicit discharges and other environmental quality concerns.

Approximately, twenty-two (22) pet waste stations were utilized in the MS4 service area in Permit Year 5. These stations assisted the residents in properly disposing of their pet waste.

In Permit Year 5, the Operator for the MS4 performed approximately 176 commercial grease trap inspections for proper maintenance. Additionally, the Operator conducted 19 residential pool inspections for proper connection to the sanitary sewer system.

## 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 No. 151 MS4 discharges directly into unclassified stream segment 1014I – Willow Fork Buffalo Bayou. It then discharges directly into unclassified stream segment 1014B – Buffalo Bayou/Barker Reservoir. This segment was already listed in the EPA-approved 303(d) list and the *Texas Integrated Report of Surface Water Quality for CWA Sections 305(b)* and *303(d)*. This is not a newly identified impaired waterbody and has been included in the MS4's Stormwater Management Program. The parameter of concern in bacteria. No newly listed impaired waterbodies have been added that are within the permitted MS4 service 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. All focused BMPs are scheduled to be fully implemented by the end of Permit Year 5.

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.

   The MS4 has determined no concerning pollutants discharged from the MS4 based on observational data during Permit Year 5. As a result of these observations, all discharges from the MS4s were unlikely to contain significant levels of bacteria. The MS4 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 (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 for 1014B | 482.44 Billion MPN/Day in storm water runoff | Public outreach efforts reduce the probability of bacteria resulting from illicit discharges. | Permit Year 5 (2023) |
| Bacteria for 1014B | 482.44 Billion MPN/Day in storm water runoff | Restricting illicit discharges reduce the probability of bacteria resulting from illicit discharges. | Permit Year 5 (2023) |
| Bacteria for 1014B | 482.44 Billion MPN/Day in storm water runoff | Restricting illicit discharges from construction runoff reduces the probability of bacteria entering the storm sewer inlets. | Permit Year 5 (2023) |
| Bacteria for 1014B | 482.44 Billion MPN/Day in storm water runoff | Reviewing construction drawings for BMPs, which address erosion and sediment controls, reduces the probability of bacteria entering the storm sewer system. | Permit Year 5 (2023) |
| Bacteria for 1014B | 482.44 Billion MPN/Day in storm water runoff | Inspecting construction sites for illicit discharges reduces the probability of bacteria entering the storm sewer system. | Permit Year 5 (2023) |

| Benchmark Parameter | Benchmark Value* | Description of additional sampling or other assessment activities | Year(s) conducted |
|---|---|---|---|
| Bacteria for 1014B | 482.44 Billion MPN/Day in storm water runoff | Utilizing the guidance manual assists in the implementation of erosion and sediment controls, soil stabilization, and BMPs. | Permit Year 5 (2023) |
| Bacteria for 1014B | 482.44 Billion MPN/Day in storm water runoff | Restricting illicit discharge from post-construction runoff reduces the probability of bacteria entering the storm sewer inlets. | Permit Year 5 (2023) |
| Bacteria for 1014B | 482.44 Billion MPN/Day in storm water runoff | Evaluating completed construction sites to ensure structural controls were properly installed reduces the probability of bacteria entering the storm sewer system. | Permit Year 5 (2023) |

*Value obtained from *Implementation Plan for Seventy-Two TMDLs for Bacteria in Houston-Galveston Region*

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 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. |

| Benchmark Parameter | Selected BMP | Contribution to achieving Benchmark |
|---|---|---|
| Bacteria | Construction Site Plan Review and Site Inspections | Restricting illicit discharges from construction activities reduces the probability of pollutants entering the storm sewer system. Reviewing construction drawings/site plans and inspecting construction projects ensures that appropriate BMPs are being implemented to minimize the discharge of pollutants. |
| 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 five (5) 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 monitors and maintains their sanitary sewer system and, if needed, improvements are made to reduce overflows and address any inadequacies. Additional preventative maintenance measures included performing load testing monthly on the WWTP generator, quarterly communication/alarm testing, and check valve maintenance every 6 months. |
| 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 Operator for the MS4 inspects grease and/or grit traps from commercial establishments located in the MS4 service area, as needed. Approximately, 176 inspections were performed in Permit Year 5 on commercial grease traps/inceptors in Permit Year 5. |
| Animal Sources | Zoos, horse stables, and other similar facilities are not knowingly located within the MS4. 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 discuss animal waste. |

| Description of bacteria-focused BMP | Comments/Discussion |
|---|---|
| Residential Education | The annual utility bill insert informed the public to pick up and properly dispose of their pet waste. Approximately, twenty-two (22) pet waste stations are in the MS4 service area for residents to utilize. Additionally, the insert recommended that swimming pools should be drained to the sanitary sewer system. The Operator for the MS4 inspected approximately 19 swimming pools to verify they were connected correctly. |

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

| Benchmark Indicator | Description/Comments |
|---|---|
| Preventative Maintenance on Facilities within the MS4 Service Area | Personnel performed maintenance on sanitary sewer facilities, as needed. Activities include maintaining the wastewater treatment plant and the lift station(s) and removing collection system blockages (as needed). |
| Number of Educational Materials Distributed to the Community | A total of 3,503 educational materials were distributed to residents within the MS4 service area. The information addressed good housekeeping principles and pollution prevention measures. It also provided a phone number for residents to report illicit discharges. |

## 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 5 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/revise the education material, if needed, and distribute education material annually to 100% of the community |

| MCM(s) | BMP | Stormwater Activity | Description/Comments |
|---|---|---|---|
| 1 | 1.3.2 | Utilize MS4 Website | Post the approved SWMP and submitted Annual Report to the MS4's website, when available. Update/revise electronic educational material, as needed. |
| 1 | 1.33 | District Operation Signs | Ensure sign(s) is(are) visible and promote the website. |
| 1 | 1.4.1 | Storm Drain Marking | Continue to offer volunteers the opportunity to place markers and report the quantity. |
| 1 | 1.5.1 | Opportunity for Public Comment | Continue to hold monthly public meetings where the public can address questions/comments about the SWMP. |
| 2 | 2.3.1 | Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters & Structural Controls | Update/revise 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. |
| 2 | 2.5.2 | Public Reporting using District Website | Ensure contact information is available online. |
| 2 | 2.5.3 | Public Reporting using District Operation Signs. | Ensure the sign(s) is (are) visible and promote the website. |
| 2 | 2.6.1 | Responding to Illicit Discharges & Spills | Respond to 100% of reported illicit discharges. |
| 2 | 2.6.2 | Source Investigation of Illicit Discharges | Investigate 100% of reported illicit discharges. |
| 2 | 2.6.3 | Source Elimination of Illicit Discharges | Eliminate 100% of reported illicit discharges, if applicable. |

| MCM(s) | BMP | Stormwater Activity | Description/Comments |
|---|---|---|---|
| 2 | 2.7.1 | Evaluation of Rate Order for Illicit Discharges | Continue implementing the Rate Order. Review the Rate Order for any necessary changes to ensure compliance with the illicit discharge provision of the General Permit. |
| 3 | 3.3.1 | Evaluation of Rate Order for Construction Site Stormwater Runoff Control | Continue implementing the Rate Order and review for any necessary changes to ensure compliance with the construction activities provisions of 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. |
| 3 | 3.8.1 | Construction Site Inventory | Document applicable permitted public & private construction sites on the inventory list. |
| 4 | 4.3.1 | Evaluation of Rate Order to Address Post-Construction Runoff | Continue implementing the Rate Order and review for any necessary changes to ensure compliance with the post-construction activities provisions of 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. |
| 4 | 4.5.1 | Inspection Program for Post-Construction Stormwater Controls | Continue to conduct inspections on 100% of applicable, completed projects, as needed. |

| MCM(s) | BMP | Stormwater Activity | Description/Comments |
|---|---|---|---|
| 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 still 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 | Continue to use new language in legal documents for new MS4 contractors to use the appropriate BMPs, control measures, and 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. |
| 5 | 5.7.2 | Assessment of Storm & Sanitary Sewer Systems. | Repair underlying sanitary and storm sewer issues. |

## 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 | Status/Completion Date |
|---|---|---|---|
| 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: N/A

| | |
|---|---|
| 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): Keith Gier

Signature: _____

Title: Board President

Date: 2/26/24

Name of MS4: **Fort Bend County MUD 151 MS4**