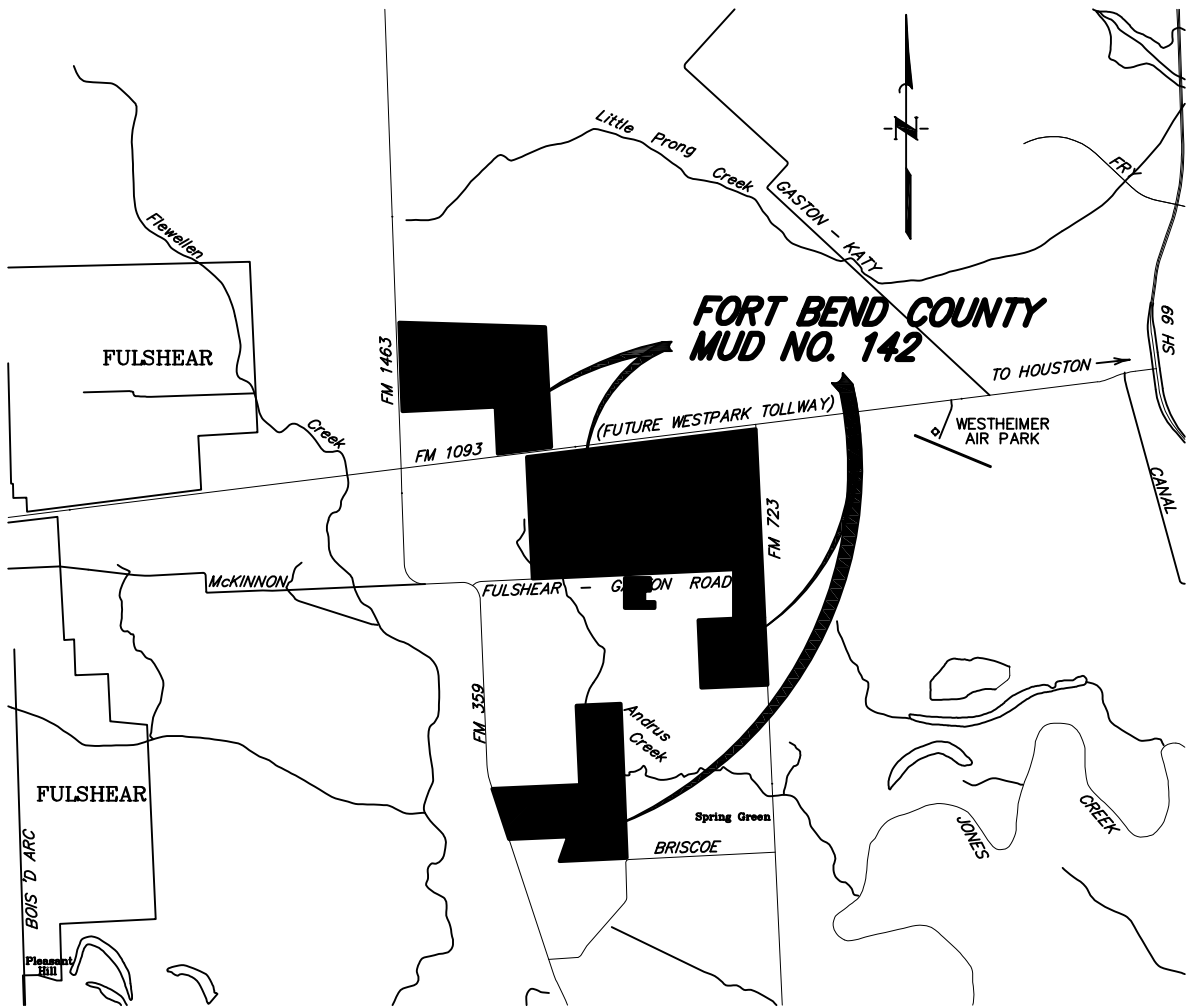


MS4 ANNUAL REPORT PERMIT YEAR 3: 2021

FOR

FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 142

FORT BEND COUNTY, TEXAS
Authorization No. TXR040434



MARCH 2022

Job No. 05277-0135-00



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
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Phase III (Small) MS4 Annual Report Form
TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040434

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

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, 2021

Reporting period end date: (month/date/year): December 31, 2021

MS4 Operator Level: Level 2

Name of MS4: Fort Bend County MUD 142 MS4

Contact Name: Liz Stone Telephone Number: (281) 363-4039

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

E-mail Address: mstone@jonescarter.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 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:

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 Inserts	YES. The MS4 distributed 3,612 storm water educational pamphlets and 9,867 FOG (Fats, Oils, and Grease) utility bill inserts to residents of the community. The information provided general storm water education and good housekeeping principles.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1.	3.2 Utilize MS4 Website	YES. The MS4 posted on their website, www.fbmud142.com , guidelines for recycling and bulk trash collection. The Permit Year 2 Annual Report was also posted to the website per the requirements in the General Permit.
1.	4.1 Storm Drain Marking	YES. A total of 746 inlet markers were installed by volunteers in previous permit years. The MS4 will continue promoting the inlet marking program to install new inlet markers in the upcoming permit
2.	3.1 Maps of Storm Sewer Lines, Outfalls, Surface Water & Structural Controls	YES. The MS4 map was reviewed and updated to a GIS format in Permit Year 3.
2.	4.1 Training for Illicit Discharge Detection & Elimination	YES. An MS4 Training Session was conducted on July 13, 2021 through a webinar. The training presentation described the impacts storm water discharges have on local water ways and how to identify illicit discharges, illegal connections, and illegal dumping. The recorded presentation was also placed on the MS4 Administrator's website (https://www.jonescarter.com/municipal-separate-storm-sewer-system-training/). A digital sign-in sheet was documented for the attendees.
2.	5.1 Public Reporting Using Utility Bill Inserts	YES. The MS4 distributed 3,612 stormwater educational inserts to the public in Permit Year 3 had a phone number for residents to report illicit discharges and other pollution concerns.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
3.	6.1 Training for Construction Site Storm Water Runoff Control	YES. An MS4 Training Session was conducted on July 13, 2021 through a webinar. The training presentation 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. The recorded presentation was also placed on the MS4 Administrator's website (https://www.jonescarter.com/municipal-separate-storm-sewer-system-training/). A digital sign-in sheet was documented for the attendees.
4.	6.1 Training for Post-Construction Stormwater Controls	YES. An MS4 Training Session was conducted on July 13, 2021 through a webinar. This presentation provided educational training 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. The recorded presentation was also placed on the MS4 Administrator's website (https://www.jonescarter.com/municipal-separate-storm-sewer-system-training/). A digital sign-in sheet was documented for the attendees.
5.	4.1 Training for Pollution Prevention & Good Housekeeping	YES. A live MS4 Training Session was conducted on July 13, 2021 through a webinar. The presentation provided educational training to those who are responsible for implementing pollution prevention measures and good housekeeping principals in municipal activities and municipally owned facilities. The recorded presentation was also placed on the MS4 Administrator's website (https://www.jonescarter.com/municipal-separate-storm-sewer-system-training/). A digital sign-in sheet was documented for the attendees.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
5.	5.1 Disposal of Waste	YES. The MS4 provided four (4) spill response kits for the MS4 to prevent illicit discharges from entering the storm sewer system. The MS4 Operator ensured that all waste collected at MS4 facilities was properly disposed in accordance with 30 TAC Chapter 330 and 335. 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 3. 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. In Permit Year 3, on a quarterly basis (four times) the MS4 inspected two outfalls from an adjacent commercial property that discharge into MS4 drainage ditch. No issues of non-compliance were observed. Approximately, ten (10) storm sewer manholes were resealed for optimum efficiency. The Operator for the MS4 inspected approximately 172 commercial grease traps/inceptors for proper maintenance.

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	3,612 Storm Water Quality 9,867 Fats, Oil, & Grease	Educational Inserts	NO. Though this BMP does not result in a direct reduction of pollutants, storm water educational inserts provide public education to residents on good housekeeping principles and pollution prevention measures.
1.	3.2	Utilize MS4 Website	1 1	Recycling & Trash Guidelines Permit Year 2 Annual Report	NO. The MS4 posted on their website, www.fbmud142.com guidelines for recycling and bulk trash collection. The Permit Year 2 Annual Report was also posted to the MS4's website per the requirements in the General Permit. While posting these items is helpful, they do not demonstrate a direct reduction in pollutants.
1.	4.1	Storm Drain Marking	746	Inlet Markers	YES. To date approximately, 746 inlet markers have been placed by volunteers. Since the markers are placed on inlets 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. All residents, businesses, and visitors within the MS4 area have the opportunity to comment on the Storm Water Management Plan at the MS4's monthly Board Meetings. Any comments received will be evaluated by the MS4 Administrator and considered for implementation. No comments were received in Permit Year 3.
2.	3.1	Maps of Storm Sewer Lines, Outfalls, Surface Waters, & Structural Controls	1	MS4 Map	NO. The MS4 map was evaluated and it was converted to a GIS format. 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 July 13, 2021 through a webinar. The training presentation can have a direct reduction in pollutants by helping field personnel identify illicit discharges.
2.	5.1	Public Reporting Using Utility Bill Insert	3,612	Education Inserts	YES. The MS4 distributed 3,612 stormwater educational inserts to the public in Permit Year 3 had a phone number for residents to report illicit discharges and other pollution 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.	6.1 6.2 6.3	Responding to Illicit Discharges & Spills Source Investigation of Illicit Discharges Source Elimination of Illicit Discharges	1	Illegal Dumping	YES. One (1) incident of illegal dumping was reported in Permit Year 3. The Operator for the MS4 promptly investigated the area, assessed the situation, and removed the illegally dumped material. The MS4 posted an article on its website reminded residents that such activities are prohibited can cause damage to the storm sewer system.
2.	7.1	Evaluate Rate Order for Illicit Discharge	1	Rate Order	YES. The MS4 reviewed their Rate Order in Permit Year 2 and revisions were recommended. These comments will be further evaluated in Permit Year 4, and if agreed by the Attorney for the MS4 a draft Rate Order will be prepared for formal consideration and adoption. It can have a direct reduction in pollutants by stating what is legally allowed/required and the consequences if conditions are not abided.
3.	3.1	Evaluate Rate Order for Construction Site Storm Water Runoff Control	1	Rate Order	YES. The MS4 reviewed their Rate Order in Permit Year 2 and revisions were recommended. These comments will be further evaluated in Permit Year 4, and if agreed by the Attorney for the MS4 a draft Rate Order will be prepared for formal consideration and adoption.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
3.	4.1	Construction Site Plan Review	2	Construction Drawings	YES. Two (2) construction drawings were received and reviewed on all applicable projects one acre or larger in order to prevent water quality impacts within the MS4. The MS4 administrator conducts construction site plan reviews in accordance with the TPDES Construction General Permit TXR150000. 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	4 4	Construction Site Inspections Homebuilder Construction Inspections	YES. Four (4) onsite construction inspections were performed on applicable projects in order to prevent water quality impacts within the MS4. Due to the pandemic, these sites' construction drawings were reviewed in Permit Year 2. Four (4) homebuilder construction inspections were performed quarterly on single-family residential communities. Results of the inspections were forwarded to the developers if corrective action was requested. These inspections demonstrated a direct reduction in 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.	6.1	Training for Construction Site Storm Water Runoff Control	1	Training Program	YES. An MS4 Training Session was conducted on July 13, 2021 through a webinar. The training presentation 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. The training presentation can have a direct reduction in pollutants by helping field personnel identify any illicit discharge and other construction site concerns.
3.	7.1	Guidance Manual for Construction Site Storm Water Runoff Control	1	Guidance Manual	NO. The "Construction Site and Post-Construction Runoff Controls Storm Water Permit and Storm Water Quality Plan Guidelines" by Fort Bend County was utilized 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	Evaluate Rate Order to Address Post-Construction Runoff	1	Rate Order	YES. The MS4 reviewed their Rate Order in Permit Year 2 and revisions were recommended. These comments will be further evaluated in Permit Year 4, and if agreed by the Attorney for the MS4 a draft Rate Order will be prepared for formal consideration and adoption.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
4.	4.1	Guidance Manual for Post-Construction Storm Water Controls	1	Guidance Manual	NO. The “Construction Site and Post-Construction Runoff Controls Storm Water Permit and Storm Water Quality Plan Guidelines” by Fort Bend County was utilized to aid in implementing post-construction BMPs. While the guidance manual provides information on how to provide long-term maintenance of post-construction storm water control measures it does not have a direct reduction in pollutants.
4.	6.1	Training for Post-Construction Storm Water Controls	1	Training Program	YES. The MS4 Training Session was conducted on July 13, 2021 through a webinar. The training presentation can have a direct reduction in pollutants by helping field personnel identify any illicit discharge from permanent storm water control devices.
5.	3.1	Inventory of Facilities & Storm Water Structural Controls	1	List of Municipal Facilities	NO. The MS4 inventory list of facilities and storm water structural controls was evaluated and no updates were needed in Permit Year 3. This list does not result in a direct reduction of pollutants in the MS4.
5.	4.1	Training for Pollution Prevention & Good Housekeeping	1	Training Program	YES. The MS4 Training Program was conducted on July 13, 2021 through a webinar. The training presentation can have a direct reduction in pollutants by helping field personnel conduct municipal activities that do not negatively impact the MS4.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5.	5.1	Disposal of Waste	4	Spill Response Kits	YES. Four (4) spill response kits are readily available for use by the MS4 to prevent illicit discharges from entering the storm sewer system. The MS4 ensured all waste materials removed are properly disposed of and do not contribute as pollutants within the MS4. 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	Emergency Spill Response Plan	YES. The MS4's Emergency Spill Response Plan was evaluated and no changes were needed in Permit Year 3. 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. In Permit Year 3, on a quarterly basis (four times) the MS4 inspected two outfalls from an adjacent commercial property that discharge into an MS4 drainage ditch. No issues of non-compliance were observed. Approximately, ten (10) storm sewer manholes were resealed for optimum efficient. The Operator for the MS4 inspected approximately 172 commercial grease traps/inceptors for proper maintenance. These BMPs can have a direct reduction in the pollutants.
	1	List of Pollutant of Concerns and Pollution Prevention Measures			
	4	Outfall Inspection			
	10	Manholes Resealed			
	172	Grease Trap Inspections			

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	EXCEEDED GOAL. The MS4 distributed 3,612 storm water educational pamphlets and 9,867 FOG (Fats, Oils, and Grease) utility bill inserts to residents of the community. This measurable goal was exceeded because the MS4 distributed two (2) inserts and not one (1) as stated in their SWMP.
1.	3.2 Utilize MS4 Website – post approved SWMP (when available) & submitted Annual Report	EXCEEDED GOAL. The MS4 posted on their website, www.fbmud142.com guidelines for recycling and bulk trash collection and the Permit Year 2 Annual Report. The SWMP has not been formally approved by TCEQ. The MS4 exceeded this measurable goal by posting educational material in addition to the Annual Report.
1.	4.1 Storm Drain Marking – report 100% of installed markers annually	MET GOAL. A total of 746 inlet markers were installed by volunteers in previous permit years. The MS4 will continue promoting the inlet marking program to install new inlet markers in the upcoming permit year.
1.	5.1 Opportunity for Public Comment – hold Monthly Board Meeting	MET GOAL. All residents, businesses, and visitors within the MS4 area have the opportunity to comment on the Storm Water Management Plan at the MS4’s monthly (12 times) Board Meetings.
2.	3.1 Maps of Storm Sewer Lines, Outfalls, Surface Waters, and Structural Controls – Annually Review MS4 Map	MET GOAL. The MS4 map which identifies the approximate location of all inlets, outfalls, surface waters, and structural controls was evaluated and converted to GIS in Permit Year 3.

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 training session annually	MET GOAL. The MS4 held one (1) training session on July 13, 2021 through a webinar. A digital sign-in sheet was documented for the attendees.
2.	5.1 Public Reporting Using Utility Bill Inserts – Advertise contact information annually	MET GOAL. The MS4 distributed 3,612 stormwater educational inserts to the public in Permit Year 3 had a phone number for residents to report illicit discharges and other pollution concerns.
2.	6.1 Responding to Illicit Discharges & Spills – respond to 100% of reported potential illicit discharges	MET GOAL. One (1) incident of illegal dumping was reported in the MS4 during Permit Year 3. The MS4 has a program in place to respond to all reports and conduct the appropriate actions as concerns illicit discharges.
2.	6.2 Source Investigation of Illicit Discharges - respond to 100% of reported potential illicit discharges	MET GOAL. One (1) incident of illegal dumping was located and investigated within the MS4. The Operator for the MS4 investigated the affected area, prioritized the risk, and assessed the situation.
2.	6.3 Source Elimination of Illicit Discharges – respond to 100% of reported potential illicit discharges	MET GOAL. One (1) incident of illegal dumping was eliminated from the MS4 during Permit Year 3. The illegal dumping material was removed from the MS4 by the Operator for the District and properly disposed.

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 Rate Order for Illicit Discharges – review annually	MET GOAL. The MS4 reviewed their Rate Order in Permit Year 2 and revisions were recommended. These comments will be further evaluated in Permit Year 4, and if agreed by the Attorney for the MS4 a draft Rate Order will be prepared for formal consideration and adoption.
3.	3.1 Evaluate the Rate Order for Construction Site Storm Water Runoff Control – review annually	MET GOAL. The MS4 reviewed their Rate Order in Permit Year 2 and revisions were recommended. These comments will be further evaluated in Permit Year 4, and if agreed by the Attorney for the MS4 a draft Rate Order will be prepared for formal consideration and adoption.
3.	4.1 Construction Site Plan Review – review 100% of applicable site plan reviews	MET GOAL. Two (2) construction drawings were received and reviewed on all applicable projects one acre or larger to prevent water quality impacts within the MS4.
3.	5.1 Construction Site Inspection & Enforcement – inspect 100% of applicable construction sites	MET GOAL. Four (4) commercial construction inspections and four (4) homebuilder construction inspections were performed on all applicable projects which disturb 1 or more acres or are part of a common plan of development. These inspections occurred quarterly on single-family residential construction. Results of the inspections were forwarded to the developers if corrective action was requested
3.	6.1 Training for Construction Site Storm Water Runoff Control – hold one training session annually	MET GOAL. The MS4 held one (1) training session on July 13, 2021 through a webinar. A digital sign-in sheet was documented for the attendees.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
3.	7.1 Guidance Manual for Construction Site Storm Water Runoff Control – continue utilizing	MET GOAL. The MS4 continued to utilize “Construction Site and Post-Construction Runoff Controls Storm Water Permit and Storm Water Quality Plan Guidelines” by Fort Bend County to aid in implementing construction site BMPs.
4.	3.1 Evaluate the Rate Order to Address Post-Construction Runoff – review annually	MET GOAL. The MS4 reviewed their Rate Order in Permit Year 2 and revisions were recommended. These comments will be further evaluated in Permit Year 4, and if agreed by the Attorney for the MS4 a draft Rate Order will be prepared for formal consideration and adoption.
4.	4.1 Guidance Manual for Post-Construction Storm Water Controls – continue implementing	MET GOAL. The MS4 continued to utilize “Construction Site and Post-Construction Runoff Controls Storm Water Permit and Storm Water Quality Plan Guidelines” by Fort Bend County to aid in implementing post-construction BMPs.
4.	5.1 Inspection Program for Post-Construction Storm Water Controls – inspect 100% of completed construction sites	MET GOAL. Zero (0) post-construction site inspections were performed within the MS4 during Permit Year 3. The MS4 will conduct post-construction site inspections in the upcoming permit year on applicable projects/sites. Inspections ensure permanent structural controls were properly constructed reducing the potential impact of illicit discharges and that the long-term functionality of the BMP is maintained.
4.	6.1 Training for Post-Construction Storm Water Controls – hold one training session annually	MET GOAL. The MS4 held one (1) training session on July 13, 2021 through a webinar. A digital sign-in sheet was documented for the attendees.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
5.	3.1 Inventory of Facilities & Storm Water Structural Controls – maintain and update	MET GOAL. The MS4’s inventory of facilities and stormwater structural controls was evaluated and no revisions were needed in Permit Year 3.
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 13, 2021 through a webinar. A digital sign-in sheet was documented for the attendees.
5.	5.1 Disposal of Waste – document number of response spill kit(s)	MET GOAL. The MS4 provided four (4) spill response kits for the MS4 to prevent illicit discharges from entering the storm sewer system. The MS4 Operator ensured that all waste collected at MS4 facilities was properly disposed in accordance with 30 TAC Chapter 330 and 335.
5.	6.1 Contractor Oversight – Research Phase	MET GOAL. The MS4 began to research appropriate text to use in contractors’ legal documents/agreements with the MS4 that states their work performed on MS4-owned and/or operated facilities will not have a negative effect on the storm sewer system and will not release runoff that may 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 – summarize O&M activities	MET GOAL. The MS4's Emergency Spill Response Plan was evaluated and no changes were needed in Permit Year 3. 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. In Permit Year 3, on a quarterly basis (four times) the MS4 inspected two outfalls from an adjacent commercial property that discharge into MS4 drainage ditch. Approximately, ten (10) storm sewer manholes were resealed for optimum efficient. The Operator for the MS4 inspected approximately 172 commercial grease traps/inceptors for proper maintenance.

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 listed in the SWMP.

The MS4 distributed approximately 13,479 educational inserts to their water users in Permit Year 3. The inserts provided general information regarding storm water quality and Fats, Oils, and Grease issues and promoted good housekeeping practices. The storm water inserts also stated the phone number for the Operator for the MS4 for residents to report illicit discharges and other environmental concerns. It also promoted the inlet marker program by seeking volunteers to install inlet markers. Approximately, 746 inlet markers have been installed by volunteers thus far. No groups were interested in placing inlet markers within the MS4 for Permit Year 3. The MS4 will continue to promote the inlet marking program to install new and/or missing inlet markers in the upcoming permit years.

The MS4 reviewed two (2) applicable storm water pollution prevention plans (SWP3) for adequately proposed storm water quality controls. In total, eight (8) construction inspections were performed in Permit Year 3 on applicable construction sites to verify that the proposed storm water quality controls were implemented. Four (4) of these were quarterly on single-family

homebuilder construction projects. Minor infractions were noted and the developers were notified to perform correct actions. Follow-up inspections (if needed) were conducted to confirm that the corrective actions were put in place.

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 142 MS4 discharges directly to unclassified segment 1245E – Flewellen Creek which ultimately discharges into classified segment 1245 – Upper Oyster Creek. This classified segment 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. This waterbody was listed in the MS4’s Storm Water Management Program. No newly listed impaired waterbodies have been added that are within the permitted MS4 area. The parameters of impairment are bacteria and depressed dissolved oxygen.

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 MS4’s 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. The BMPs focus on detecting, addressing, and eliminating impairments caused by bacteria and other illicit discharges.

The MS4 has determined no concerning pollutants discharged from the MS4 based on observational data during Permit Year 3. As a result of these observations, all discharges from the MS4s were unlikely to contain concerning levels of bacteria nor depressed dissolved oxygen. The MS4 will continue to implement the BMPs outlined in the SWMP. 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 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 x 10 ⁸ counts of E. coli bacteria in storm water runoff per day	Public outreach efforts reduce the probability of bacteria resulting from illicit discharges by 2%.	Permit Year 3 2021
Bacteria	1.26 x 10 ⁸ counts of E. coli bacteria in storm water runoff per day	Restricting illicit discharges reduce the probability of bacteria resulting from illicit discharges by 20%.	Permit Year 3 2021
Bacteria	1.26 x 10 ⁸ counts of E. coli bacteria in storm water runoff per day	Restricting illicit discharges from construction runoff reduces the probability of bacteria from entering the storm sewer inlets by 20%.	Permit Year 3 2021
Bacteria	1.26 x 10 ⁸ counts of E. coli bacteria in storm water 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 3 2021
Bacteria	1.26 x 10 ⁸ counts of E. coli bacteria in storm water runoff per day	Evaluating construction sites for illicit discharges reduces the probability of bacteria from entering the storm sewer system by 20%.	Permit Year 3 2021
Bacteria	1.26 x 10 ⁸ counts of E. coli bacteria in storm water runoff per day	Utilizing the guidance manual assists in the implementation of erosion and sediment controls, soil stabilization, and BMPs by 2%.	Permit Year 3 2021

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 storm water 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 3 2021
Bacteria	1.26 x 10 ⁸ counts of E. coli bacteria in storm water 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 3 2021

*Descriptions composed from *I-Plan for Two TMDLs for Dissolved Oxygen and One TMDL for Bacteria in Upper Oyster Creek*. This Report did not provide an estimated percent reduction for depressed dissolved oxygen.

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 raise awareness of stormwater quality concerns and encouraged public reporting if illicit discharges are identified. The MS4's inlet marking program provides involvement in the SWMP and encourages 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. One (1) incident of illegal dumping was reported in Permit Year 3.

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. 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 four (4) 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. These inspections include the lift stations and sanitary sewer lines. These efforts held to reduce the number of sanitary sewer overflows.
On-site Sewage Facilities (for entities with appropriate jurisdiction)	No on-site sewage facilities are knowingly located within the MS4. The MS4 does not have jurisdiction over septic systems within their service area nor do they allow on-site sewage facility within their MS4.
Illicit Discharge and Dumping	In accordance with the MS4's Rate Order, the Operator for the MS4 will continue to inspect commercial users with an approved grease trap and/or grit inceptors. In Permit Year 3 approximately 172 inspections were conducted on commercial users within the MS4.

Description of bacteria-focused BMP	Comments/Discussion
Animal Sources	Zoos, horse stables, and other animal housing facilities are not knowingly located with Fort Bend County MUD No. 142. In the future, the MS4 will be mindful of these types of facilities should they be in their jurisdiction and will include them in the distribution of storm water quality education material that discuss animal waste. In this permit year's storm water quality insert, the MS4 encourages its residents to pick up their pet waste and dispose of it properly. The MS4 will continue to relay this message in their annual public education insert.
Residential Education	The MS4 provided basic guidelines regarding proper pool and spa drainage and proper pet waste disposal in the annual storm water quality public education insert. The MS4 distributed and posted on its website information for residents to follow on the proper disposal of Fats, Oils and Grease (FOG).

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 13,479 storm water and FOG educational material were mailed to residents within the MS4 service area. The information addressed storm water quality good housekeeping principles and proper disposal of FOG and posted on their website additional guidance on what is allowed down the toilet. The storm water quality insert also provided a phone number for residents to report illicit discharges and other environmental concerns.
Number of Construction Site Plan Reviews	In Permit Year 3, two (2) storm water pollution prevention site plan reviews were performed. These reviews confirmed that appropriate BMPs are planned for the construction sites so that runoff may not have an adverse effect to the receiving water body.

Benchmark Indicator	Description/Comments
Number of Construction Site Inspections	The MS4 performed eight (8) construction inspections on applicable projects which disturb 1 or more acres or are part of a common plan of development. These inspections verified that the BMPs listed in their respective construction site plans are implemented in the field.

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	1.3.1	Utility Bill Inserts	Update/revise the education material, as needed, and distributed education material to 100% of the community.
1	1.3.2	Utilize MS4 Website	Post the approved SWMP and submitted Annual Report to the MS4's website, when available. Continue to provide storm water quality educational information.
1	1.4.1	Storm Drain Marking	Continue to offer volunteers the opportunity to place inlet markers and provide 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. If available, the public notice will be published in accordance with the General Permit.
2	2.3.1	Maps of Storm Sewer Lines, Outfalls, Surface Waters & Structural Controls	Update/revise 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.

MCM(s)	BMP	Stormwater Activity	Description/Comments
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.
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.
2	2.7.1	Evaluate Rate Order for Illicit Discharges	Evaluate the comments received for the Rate Order in Permit Year 2 and if agreed by the MS4 a draft Rate Order will be prepared for formal consideration and adoption.
3	3.3.1	Evaluate the Rate Order for Construction Site Storm Water Runoff Control	Evaluate the comments received for the Rate Order in Permit Year 2 and if agreed by the MS4 a draft Rate Order will be prepared for formal consideration and adoption.
3	3.4.1	Construction Site Plan Review	Continue to conduct plan reviews on 100% of applicable submittals.
3	3.5.1	Construction Site Inspection & Enforcement	Continue to conduct construction site inspections on 100% of applicable construction sites.
3	3.6.1	Training for Construction Site Storm Water 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 Storm Water Runoff Control	Continue utilizing the guidance manual.

MCM(s)	BMP	Stormwater Activity	Description/Comments
4	4.3.1	Evaluate Rate Order to Address Post-Construction Runoff	Evaluate the comments received for the Rate Order in Permit Year 2 and if agreed by the MS4 a draft Rate Order will be prepared for formal consideration and adoption.
4	4.4.1	Guidance Manual for Post-Construction Storm Water Controls	Continue utilizing the guidance manual.
4	4.5.1	Inspection Program for Post-Construction Storm Water Controls	Continue to conduct inspections on 100% of applicable, completed projects, as needed.
4	4.6.1	Training for Post-Construction Storm Water Controls	Hold at least one (1) training session annually and offer the training program to appropriate staff.
5	5.3.1	Inventory of Facilities & Storm Water Structural Controls	Continue to maintain an MS4 inventory list 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 spill response kits are still available for the MS4. 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.

MCM(s)	BMP	Stormwater Activity	Description/Comments
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.

Yes No

2. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.

Yes No

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 No

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

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

Yes 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):

8 construction activities occurred in the jurisdictional area of the MS4, but the MS4 received no Large nor Small Construction Site Notices.

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

Yes 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): Randal L. Carter

Title: President

Signature: 

Date: 10-March 2022

Name of MS4: **Fort Bend County MUD 142 MS4**