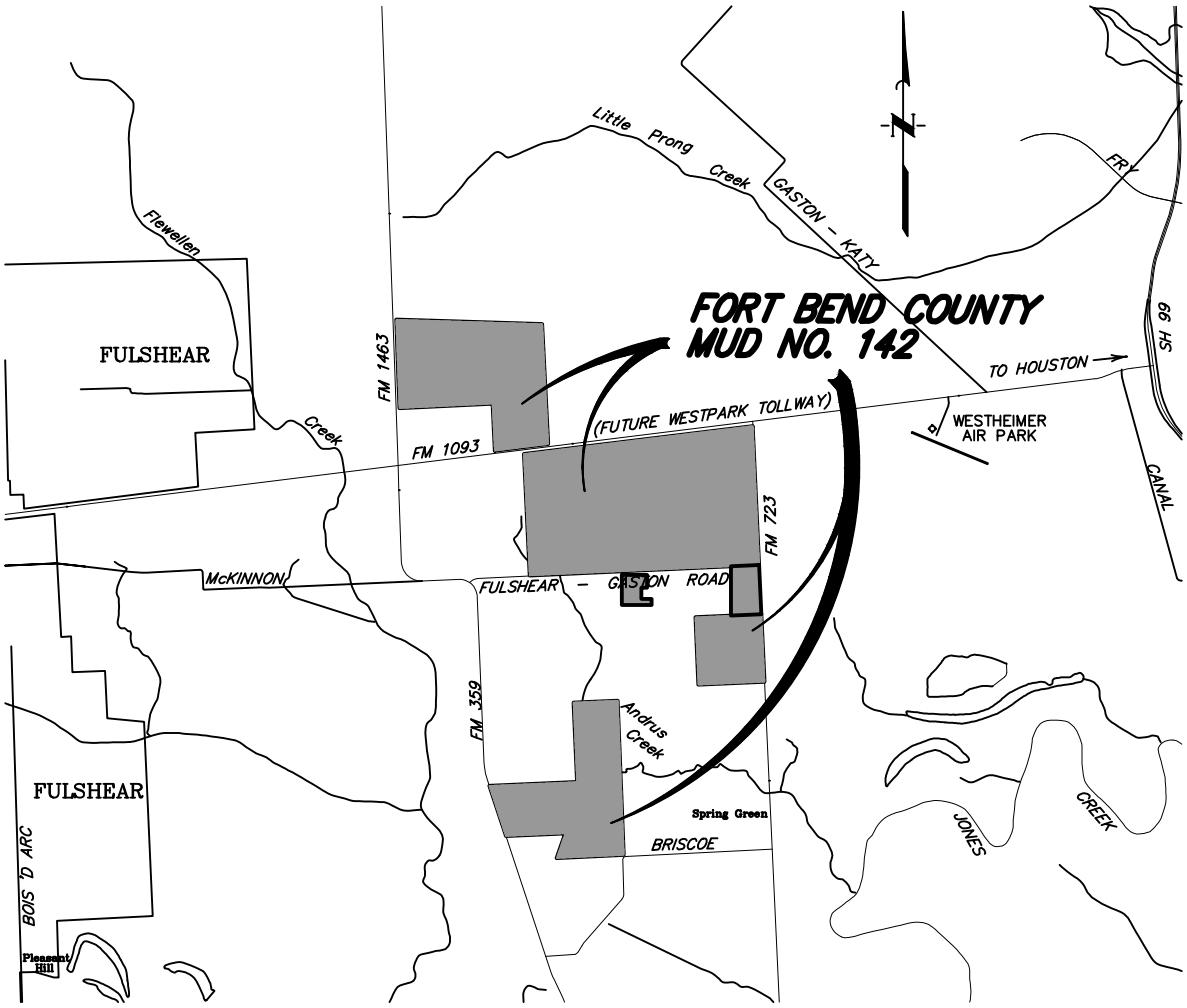
MS4 ANNUAL REPORT
PERMIT YEAR 2: 2020

FOR

FORT BEND COUNTY
MUNICIPAL UTILITY DISTRICT NO. 142

FORT BEND COUNTY, TEXAS

Permit No. TXR040434



MARCH 2021

JC Job No. 05277-0135-00

JONES | CARTER

Texas Board of Professional Engineers Registration No. F-439

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Phase II (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): 2

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, 2020

Reporting period end date: (month/date/year): December 31, 2020

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 3,561 storm water educational inserts to the public regarding municipal storm sewer discharge and storm water quality issues. The insert 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 information how to reduce unwanted items into the District's sanitary sewer. The Permit Year 1 Annual Report was also posted to the MS4's website per the requirements in the General Permit.
1.	4.1 Storm Drain Marking	YES. To date, approximately 746 inlet markers have been installed by volunteers. The MS4 will continue promoting the inlet marking program to install new inlet markers in the upcoming permit year.
2.	3.1 Maps of Storm Sewer Lines, Outfalls, Surface Water & Structural Controls	YES. The MS4 map was evaluated and updates were made in Permit Year 2.
2.	4.1 Training for Illicit Discharge Detection & Elimination	YES. The MS4 Training Session was conducted on July 14, 2020 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 and certificate of completion were documented for the attendees.
2.	5.1 Public Reporting Using Utility Bill Inserts	YES. The MS4 distributed 3,561 stormwater educational inserts to the public during Permit Year 2 regarding municipal storm sewer discharge and stormwater quality issues. The insert provided 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 14, 2020 through a webinar by the MS4 Administrator. 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. 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 and certificate of completion were documented for the attendees.
4.	6.1 Training for Post-Construction Stormwater Controls	YES. An MS4 Training Session was conducted on July 14, 2020 through a webinar by the MS4 Administrator. They 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 and certificate of completion were documented for the attendees.
5.	4.1 Training for Pollution Prevention & Good Housekeeping	YES. An MS4 Training Session was conducted on July 14, 2020 through a webinar by the MS4 Administrator. 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. 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 and certificate of completion were 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 two (2) spill response kits for the MS4 to prevent illicit discharges from entering the storm sewer system. The Operator for the MS4 ensured that all waste collected at MS4 facilities was properly disposed in accordance with 30 TAC Chapter
5.	7.1 Municipal Operation & Maintenance Activities	YES. The MS4's Emergency Spill Response Plan was evaluated and minor changes were needed in Permit Year 2. The MS4 also finalized written inspection and follow-up procedures for illicit discharges, construction stabilization measures, and municipal facilities. These procedures are referenced for the MS4, as needed. Upon review of their municipal activities, the MS4 developed a list of possible pollutant of concerns and pollution prevention measures to minimize the effect of these pollutants. In July 2020, a general District assessment was conducted in the MS4. Verification of various storm water quality controls such as inlet markers, trash cans, and adequate channel flow/maintenance was performed. No incidents of non-compliance were observed.

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

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1.	3.1	Utility Bill Inserts	3,561	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 1 1	MS4 Website Recycling & Trash Guidelines “What Not to Flush” article Permit Year 1 Annual Report	NO. The MS4 posted on their website (www.fbmud142.com) guidelines for recycling and trash pick-up, an article aimed at reducing sanitary sewer blockages, and their Permit Year 1 Annual Report. The material on the website does not directly reduce pollutants in storm sewer systems but help to educate the public.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1.	4.1	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.
1.	5.1	Opportunity for Public Comment	12	Public Opportunity	YES. Permit Year 2 BMPs were discussed at the MS4's monthly Board Meetings. These meetings are open to the public which allows for comments and questions on the SWMP from residents. This BMP can have a direct reduction in pollutants, but it depends on the manner of the comment. No comments were received in Permit Year 2.
2.	3.1	Maps of Storm Sewer Lines, Outfalls, Surface Waters, & Structural Controls	1	MS4 Map	NO. The MS4 map was evaluated and updates were needed in Permit Year 2. This BMP is helpful when tracking illicit discharges but does not directly reduce pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2.	4.1	Training for Illicit Discharge Detection and Elimination	1	Training Program	YES. The MS4 Training Session was conducted on July 14, 2020 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	3,561	Education Inserts	YES. The MS4 distributed 3,561 educational inserts to residents 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 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 3, 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.

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 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 3, 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.	4.1	Construction Site Plan Review	2	Storm Water Pollution Prevention Plan Reviews	YES. Two (2) applicable stormwater pollution prevention plans (SWP3) were reviewed to prevent water quality impacts within the MS4. These reviews can 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.	5.1	Construction Site Inspection & Enforcement	3 5	Commercial Construction Inspections Home Builder Construction Inspections	YES. Eight (8) 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 were on three (3) commercial developments and a single-family residential construction project that was inspected five times in Permit Year 2. These inspections demonstrated a direct reduction in pollutants in the MS4.
3.	6.1	Training for Construction Site Storm Water Runoff Control	1	Training Program	YES. The MS4 Training Session was conducted on July 14, 2020 through a webinar. 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 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 3, 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.

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 14, 2020 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.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5.	3.1	Inventory of Facilities & Storm Water Structural Controls	1	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 2. 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 14, 2020 through a webinar. The presentation can have a direct reduction in pollutants by helping field personnel conduct municipal activities that do not negatively impact the MS4.
5.	5.1	Disposal of Waste	2	Spill Response Kits	YES. Two (2) 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 1 1	Emergency Spill Response Plan List of Pollutants of Concern & Prevention Measures Onsite General MS4 Assessment	YES. The MS4's Emergency Spill Response Plan was evaluated and minor changes were needed in Permit Year 2. Additionally, the MS4 developed a list of possible pollutants of concern and pollution prevention measures for the facilities stated in the inventory list in BMP 5.3.1. In July 2020, a general MS4 assessment was conducted. Verification of various storm water quality controls were observed onsite. No incidents of non-compliance were observed. These BMPs can 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 3,561 storm water educational inserts were distributed to the community with the residents' utility bills in July 2020. This met the measurable goal of at least an annual distribution.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1.	3.2 Utilize MS4 Website – post approved SWMP & submitted Annual Report	MET GOAL. The MS4 posted on their website, https://www.fbmud142.com/, guidelines for recycling and information how to reduce unwanted items into the District's sanitary sewer. The Permit Year 1 Annual Report was also posted to the MS4's website per the requirements in the General Permit.
1.	4.1 Storm Drain Marking – report 100% of installed markers annually	MET GOAL. During previous permit terms, approximately 746 inlet markers were placed on inlets. No groups were interested in volunteering to place markers this permit year.
1.	5.1 Opportunity for Public Comment – hold Monthly Board Meeting	MET GOAL. All monthly Board Meetings are open to the public. All 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 2.
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 updates were made in Permit Year 2.
2.	4.1 Training for Illicit Discharge Detection & Elimination – hold one training session annually	MET GOAL. The MS4 held one training session on July 14, 2020 through a webinar. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.
2.	5.1 Public Reporting Using Utility Bill Inserts – Advertise contact information annually	MET GOAL. The MS4 distributed 3,561 stormwater educational inserts to the public during Permit Year 2 which provided a phone number for residents to report illicit discharges and other pollution concerns.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
2.	6.1 Responding to Illicit Discharges & Spills – respond to 100% of reported potential illicit discharges	MET GOAL. Even though zero (0) illicit discharges were reported during Permit Year 2, the MS4 has a program in place to respond to all reports and conduct the appropriate actions that concern illicit discharges.
2.	6.2 Source Investigation of Illicit Discharges - respond to 100% of reported potential illicit discharges	MET GOAL. Even though zero (0) illicit discharges were reported during Permit Year 2, the MS4 has a program in place to gather the appropriate information, prioritize the risk, assess the situation, and investigate the source of illicit discharge.
2.	6.3 Source Elimination of Illicit Discharges – respond to 100% of reported potential illicit discharges	MET GOAL. Even though zero (0) illicit discharges were reported during Permit Year 2, the MS4 has a program in placed to safely removed illicit discharges and prevent the unauthorized discharge from affecting the MS4.
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 3, and if agreed by the MS4 a draft Rate Order 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 3, and if agreed by the MS4 a draft Rate Order be prepared for formal consideration and adoption.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
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. Eight (8) construction inspections were performed on all applicable projects in Permit Year 2. These inspections were on three (3) commercial developments and a single-family residential construction project that was inspected five (5) times in Permit Year 2.
3.	6.1 Training for Construction Site Storm Water Runoff Control – hold one training session annually	MET GOAL. The MS4 Training Session was conducted on July 14, 2020 through a webinar. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.
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 3, and if agreed by the MS4 a draft Rate Order be prepared for formal consideration and adoption.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
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. No (0) post-construction site inspections were performed on any applicable projects to ensure permanent structural controls were properly constructed reducing the potential impact of illicit discharges.
4.	6.1 Training for Post-Construction Storm Water Controls – hold one training session annually	MET GOAL. The MS4 Training Program was conducted on July 14, 2020 through a webinar. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.
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 2.
5.	4.1 Training for Pollution Prevention & Good Housekeeping – hold one training session annually	MET GOAL. The MS4 Training Program was conducted on July 14, 2020 through a webinar. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
5.	5.1 Disposal of Waste – document number of response spill kit(s)	MET GOAL. The MS4 provided two (2) spill response kits for the MS4 to prevent illicit discharges from entering the storm sewer system. The Operator for the MS4 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.
5.	7.1 Municipal Operation & Maintenance Activities – summarize O&M activities	MET GOAL. The MS4's Emergency Spill Response Plan was evaluated and minor changes were needed in Permit Year 2. The MS4 developed a list of possible pollutant of concerns and pollution prevention measures to minimize the effect of these pollutants for their inventory facilities listed in BMP 5.3.1. In July 2020, a general District assessment was conducted in the MS4. Verification of various storm water quality controls such as inlet markers, trash cans, and adequate channel flow/maintenance was performed. No 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 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 3,561 stormwater educational inserts to their water users in Permit Year 2. The inserts provided general information regarding storm water quality issues and promotes good housekeeping practices. The inserts also provided the Operator for the MS4's phone number for

residents to report illicit discharges and other environmental concerns. Additionally, the insert 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 2. 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 2 on applicable construction sites to verify that the proposed storm water quality controls were implemented. 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 2. As a result of these observations, all discharges from the MS4s were unlikely to contain concerning levels of bacteria nor 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 2 2020
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 2 2020
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 2 2020
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 2 2020
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 2 2020
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 2 2020

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 2 2020
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 2 2020

*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 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 raised 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 participates 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. No (0) illicit discharges were report in the MS4 in Permit Year 2.
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.

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
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 one (1) spill response kit.

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. In Permit Year 2, lift station no. 2 was retrofitted with a mechanical upgrade to an alarm dialer and lift station no. 3 was expanded with upgrades for all 3 pumps. 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 2 approximately 264 inspections were conducted on commercial users within the MS4.
Animal Sources	Zoos, horse stables, and other animal housing facilities are not knowingly located with Brazoria County MUD No. 6. 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.

Description of bacteria-focused BMP	Comments/Discussion
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. Additionally, in Permit Year 2, the MS4 posted on their website an article entitled "What Not to Flush" in response to the toilet paper shortage due to COVID-19 pandemic. This article stated that "flushable wipes", wet wipes, napkins, paper towels, and other similar items cannot be flushed down the toilet safely. These create blockages that may impact your home's sewer lines or the District's WWTP.

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 3,561 storm water education material were mailed to residents within the MS4 service area. The information addressed good housekeeping principles, pollution prevention measures and an additional publication posted on their website provided guidance on what is allowed down the toilet. The mailed 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 2, 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.
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.
Number of Sanitary Sewer Overflows	Two (2) sanitary sewer overflows were reported in Permit Year 2. The Operator for the MS4 remediated both events by line jetting the pipe to clear any grease and/or debris that caused the blockage. As applicable, these events were reported to the TCEQ.

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 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 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.
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.

MCM(s)	BMP	Stormwater Activity	Description/Comments
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 contributed 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).

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):

   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 _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): Randal L Carter

Title: President

Signature: 

Date: March 26, 2021

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