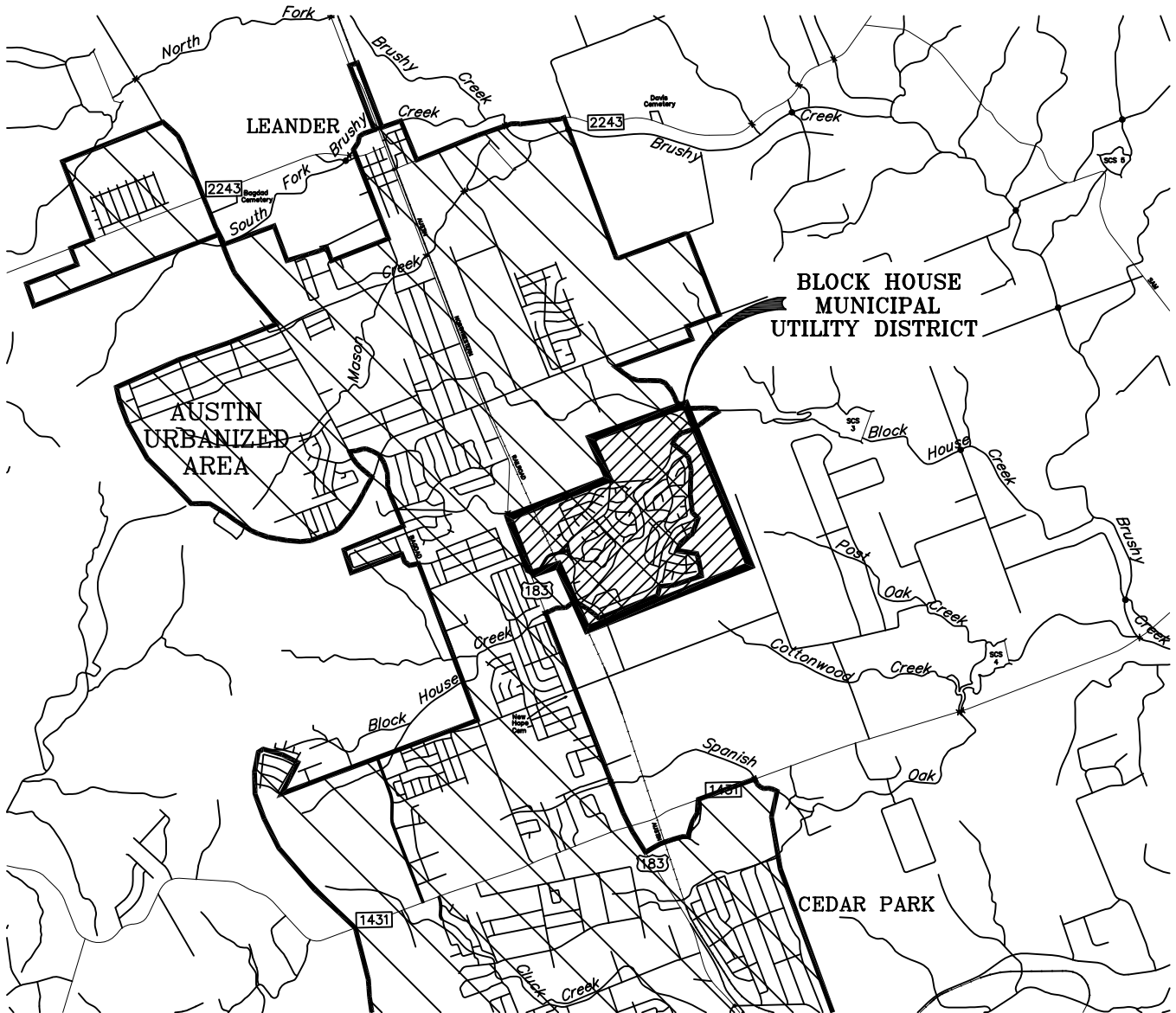


# MS4 ANNUAL REPORT PERMIT YEAR 1: 2019

## FOR BLOCK HOUSE MUNICIPAL UTILITY DISTRICT

WILLIAMSON COUNTY, TEXAS  
Permit No. TXR 040313



MARCH 2020

JC Job No. 0A505-0004-00



### 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: TXR040313

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

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, 2019

Reporting period end date: (month/date/year): December 31, 2019

MS4 Operator Level: Level 2

Name of MS4: Block House MUD 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 11

## 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. Public Education, Outreach, and Involvement	3.1 Utility Bill Inserts	YES. The MS4 mailed 1,753 storm water educational inserts in utility bills and electronically distributed 461 educational inserts to the residents regarding municipal storm sewer discharge and storm water quality issues. The educational material provided information on how to reduce pollutants in storm water runoff.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)</b>
1. Public Education, Outreach, and Involvement	3.2 Utilize MS4 Website	YES. The MS4 published seven (7) newsletters containing storm water quality information to residents through the MS4's webpage <a href="http://www.blockhousemud.com">http://www.blockhousemud.com</a> . Information regarding the MS4's SWMP, recycling (including Christmas trees), paper shredding events, fats/oils/grease proper disposal, and other general good housekeeping can be found in the newsletters online.
1. Public Education, Outreach, and Involvement	4.1 Storm Drain Marking	YES. Approximately, 382 inlet markers and 42 outfall markers have been placed by volunteers through the beginning of the MS4's inlet marking program. The MS4 will continue promoting the inlet marking program to inspect and replace missing or damaged inlet markers.
1. Public Education, Outreach, and Involvement	4.2 Recycling/Trash Clean-up	YES. A weekly volunteer recycling program continued to be provided for all residents within the MS4. The recycling program reduces the amount of materials that impact local waterways. The MS4 will continue implementing the recycling program in the upcoming permit year.
1. Public Education, Outreach, and Involvement	4.2 Pet Waste Pick-Up Program	YES. The MS4 continued the availability of pet waste stations throughout the MS4 service area. These stations assist the residents in properly disposing of their pet waste preventing it from entering the storm sewer system.
2. Illicit Discharge Detection and Elimination	3.1 Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Water & Structural Controls	YES. The map was evaluated and no updates were needed during Permit Year 1. The map assists the MS4 Operator to track and document illicit discharges by identifying the approximate location of all inlets, outfalls, surface waters, and structural controls.
2. Illicit Discharge Detection and Elimination	4.1 Training for Illicit Discharge Detection & Elimination	YES. The MS4 Training Session was conducted on June 19, 2019 through a webinar. The training session described the impacts storm water discharges have on local water ways and how to identify illicit discharges or illegal connections. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)</b>
2. Illicit Discharge Detection and Elimination	5.1 Public Reporting Using Utility Bill Inserts	YES. The MS4 distributed educational inserts to the residents through the mail and electronically. The inserts provided a phone number and email address for residents to report illicit discharges and other pollution concerns.
2. Illicit Discharge Detection and Elimination	2.8.1 Dry Weather Field Screening	YES. The MS4 performed field inspections on approximately 20% of their inlets, outfalls and creeks within the MS4 for signs of debris, trash, structural integrity, and other illicit discharges. The field investigations assist in detecting and eliminating illicit discharges.
3. Construction Site Storm Water Runoff Control	6.1 Training for Construction Site Stormwater Runoff Control	YES. The MS4 Training Session was conducted on June 19, 2019 through a webinar that provided educational training on the MS4's construction site storm water runoff control program. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.
4. Post-Construction Storm Water Management in New Development and Redevelopment	6.1 Training for Post-Construction Stormwater Controls	YES. The MS4 Training Session was conducted on June 19, 2019 through a webinar that provided educational training on the post-construction site storm water runoff control program. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	4.1 Training for Pollution Prevention & Good Housekeeping	YES. The MS4 Training Session was conducted on June 19, 2019 through a webinar on how to effectively implement pollution prevention measures and good housekeeping principles in municipal activities and municipally owned facilities. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)</b>
5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.1 Disposal of Waste	YES. During a previous permit year, the MS4 provided two (2) spill response kits, located at the MS4's water plant and a mobile one located in an Operator's vehicle. The MS4 ensured all waste materials removed were properly disposed and did not contribute as pollutants within the MS4.
5. Pollution Prevention/Good Housekeeping for Municipal Operations	7.1 Municipal Operation & Maintenance Activities	YES. The MS4's Emergency Spill Response Plan was reviewed and updated in Permit Year 1. This plan provides guidance and contact information for when a substance is released into the MS4.

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:

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)</b>
1.Public Education, Outreach, and Involvement	3.1	Utility Bill Inserts	1,753  461	Mailed Educational Inserts  Electronic 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.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1.Public Education, Outreach, and Involvement	3.2	Utilize MS4 Website	7	Electronic Newsletters	NO. The MS4 published seven (7) newsletters on their website <a href="http://www.blockhousemud.com">http://www.blockhousemud.com</a> containing various information that helps to reduce the amount of pollutants into the receiving water body. The newsletters do not directly reduce pollutants into the receiving stream but help to educate the public.
1.Public Education, Outreach, and Involvement	4.1	Storm Drain Marking	382 42	Inlet Markers  Outfall Markers	YES. During previous permit years, inlet and outfall markers had been installed by volunteer groups. Since these are placed on inlets and outfalls which are directly connected to the MS4, this BMP can have a direct impact in the reduction of pollutants.
1.Public Education, Outreach, and Involvement	4.2	Recycling/Trash Clean-up	52	Weekly	YES. A weekly recycling program continued to be conducted and provided for all residents within the MS4. The recycling program allows direct public involvement to reduce pollutants in the storm sewer system and promotes good housekeeping principals.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)</b>
1.Public Education, Outreach, and Involvement	4.2	Pet Waste Pick-Up Program	365	Daily Pet Waste Removal	YES. Several pet waste stations are provided in the MS4 for residents to properly dispose of pet waste. This BMP has a direct reduction in pollutants by removing waste and promoting good housekeeping principles.
1.Public Education, Outreach, and Involvement	5.1	Opportunity for Public Comment	12	Public Opportunity	YES. Permit Year 1 BMPs were discussed at the District's monthly Board Meetings. The Board meetings are open to the public allowing residents to provide comments during the meeting. 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 1.
2. Illicit Discharge Detection and Elimination	3.1	Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters, & Structural Controls	1	MS4 Map	NO. The MS4 map was evaluated and no updates were needed in Permit Year 1. This BMP is helpful when tracking illicit discharges but does not directly reduce pollutants.



<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)</b>
2. Illicit Discharge Detection and Elimination	4.1	Training for Illicit Discharge Detection and Elimination	1	Training Program	YES. The MS4 Training Session was conducted on June 19, 2019 through a webinar. The training presentation can have a direct reduction in pollutants by helping field personnel identify any illicit discharges.
2. Illicit Discharge Detection and Elimination	5.1	Public Reporting Using Utility Bill Inserts	1,753 461	Mailed Educational Inserts Electronic Educational Inserts	YES. The MS4 Operator distributed educational inserts which included a phone number and email address for residents to report illicit discharges and other pollution concerns. This BMP can directly impact the reduction of pollutants in stormwater.
2. Illicit Discharge Detection and Elimination	5.2	Public Reporting Using Electronic Education	1	Website	YES. The MS4 provided a link on their website for residents to report any environmental issues that may be occurring in the MS4. This BMP can directly impact the reduction of pollutants in stormwater.
2. Illicit Discharge Detection and Elimination	7.1	Evaluation of Drainage Rules for Illicit Discharge	1	Drainage Rules	YES. No changes were recommended to the District's Drainage Rules in Permit Year 1. It can have a direct reduction in pollutants by stating what is legally allowed/required and the consequence if conditions are not abided.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)</b>
2. Illicit Discharge Detection and Elimination	8.1	Dry Weather Field Screenings	84	Storm Water Structural Controls	YES. The Dry Weather Field Screening of the MS4 facilities was performed in Permit Year 1. A total of 72 inlets, ten (10) outfalls, and two (2) creeks were inspected during Permit Year 1 for signs of debris, trash, structural integrity, and illicit discharges. Recommendations were provided to the MS4 that may be performed in the upcoming permit year.
3. Construction Site Storm Water Runoff Control	3.1	Evaluation of the Drainage Rules for Construction Site Stormwater Runoff Control	1	Drainage Rules	YES. No changes were recommended to the District's Drainage Rules in Permit Year 1. It can have a direct reduction in pollutants by stating what is legally allowed/required and the consequence if conditions are not abided.
3. Construction Site Storm Water Runoff Control	6.1	Training for Construction Site Stormwater Runoff Control	1	Training Program	YES. The MS4 Training Session was conducted on June 19, 2019 through a webinar. The training presentation can have a direct reduction in pollutants by helping field personnel identify any other construction site concerns.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)</b>
3. Construction Site Storm Water Runoff Control	7.1	Guidance Manual for Construction Site Stormwater Runoff Control	1	Guidance Manual	NO. The “Environmental Criteria Manual – Section 1 Water Quality Management - Erosion and Sedimentation Control Criteria” by the City of Austin was utilized to aid in implementing construction site BMPs. While the guidance manual provides information on how to provide long-term maintenance of post-construction stormwater control measures it does not have a direct reduction in pollutants.
4. Post-Construction Storm Water Management in New Development and Redevelopment	3.1	Evaluation of Drainage Rules to Address Post Construction Runoff	1	Drainage Rules	YES. No changes were recommended to the District’s Drainage Rules in Permit Year 1. It can have a direct reduction in pollutants by stating what is legally allowed/required and the consequence if conditions are not abided.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)</b>
4. Post-Construction Storm Water Management in New Development and Redevelopment	4.1	Guidance Manual for Post-Construction Stormwater Controls	1	Guidance Manual	NO. The “Environmental Criteria Manual – Section 1 Water Quality Management - Erosion and Sedimentation Control Criteria” by the City of Austin 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. Post-Construction Storm Water Management in New Development and Redevelopment	6.1	Training for Post-Construction Stormwater Controls	1	Training Program	YES. The MS4 Training Session was conducted on June 19, 2019 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. Pollution Prevention and Good Housekeeping for Municipal Operations	3.1	Inventory of Facilities & Stormwater Structural Controls	1	List of Municipal Facilities	NO. The inventory list was evaluated and updated in Permit Year 1. This list does not have a direct reduction in pollutants in the MS4.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)</b>
5. Pollution Prevention and Good Housekeeping for Municipal Operations	4.1	Training for Pollution Prevention & Good Housekeeping	1	Training Program	YES. The MS4 Training Program was conducted on June 19, 2019 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.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	5.1	Disposal of Waste	2	Spill Response Kits	YES. In previous permit years, the MS4 provided two (2) spill response kits located at the MS4's water plant and in an Operator's vehicle to prevent illicit discharges from entering the storm sewer system. No restocking was needed in Permit Year 1. The MS4 ensured all waste materials removed are properly disposed of and do not contribute as pollutants within the MS4. The kits will have a direct reduction of pollutants into the MS4 if used.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	7.1	Municipal Operation & Maintenance Activities	1	Emergency Spill Response Plan	YES. The Emergency Spill Response Plan was reviewed and updates were made in Permit Year 1. If the plan must be utilized, it can have a direct reduction in pollutants.

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

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.</b>
1.Public Education, Outreach, and Involvement	3.1 Utility Bill Inserts – distribute to the community annually	MET GOAL. The MS4 mailed 1,753 storm water educational inserts and emailed 461 educational inserts with water bills in May 2019. This met the measurable goal of at least an annual distribution.
1.Public Education, Outreach, and Involvement	3.2 Utilize MS4 Website – update website, as needed	MET GOAL. A variety of educational material is available for all residents and businesses in the MS4 area by visiting the MS4’s website <a href="http://www.blockhousemud.com">www.blockhousemud.com</a> . The educational material will address storm water quality concerns, problems within the MS4 area, pet waste, and general residential education.
1.Public Education, Outreach, and Involvement	4.1 Storm Drain Marking – promote the program annually	MET GOAL. The MS4 inspected and identified inlet markers to be replaced since all of the inlets within the MS4 have been marked.
1.Public Education, Outreach, and Involvement	4.2 Recycling/Trash Clean-up – continue the program	MET GOAL. The District continued to conduct a volunteer weekly recycling program for all residents and provided recycling guidelines on their website. Additionally, the MS4 promoted and sponsored a Christmas tree recycling program.
1.Public Education, Outreach, and Involvement	4.2 Pet Waste Pick-up Program – continue the program	MET GOAL. The pet waste removal program was continued in Permit Year 1. Several pet waste stations are available in the MS4 for use by residents.
1.Public Education, Outreach, and Involvement	5.1 Opportunity for Public Comment – hold Monthly Board Meeting	MET GOAL. The MS4 holds monthly Board Meetings that are open to the general public. All residents, businesses and other interested parties within the MS4 area can comment on the SWMP at this time. In addition, the SWMP, Notice of Intent, General Permit and Fact Sheet are electronically available upon request. No comments were received in Permit Year 1.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.</b>
2. Illicit Discharge Detection and Elimination	3.1 Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters, & Structural Controls – evaluate and update	MET GOAL. The MS4 map which identifies the approximate location of inlets, outfalls, surface waters, and structural controls was evaluated and no updates were needed in Permit Year 1.
2. Illicit Discharge Detection and Elimination	4.1 Training for Illicit Discharge Detection & Elimination – hold one training session annually	MET GOAL. The MS4 Training Session was conducted on June 19, 2019 through a webinar. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.
2. Illicit Discharge Detection and Elimination	5.1 Public Reporting Using Utility Bill Inserts – distribute to the community annually	MET GOAL. Educational inserts were distributed in May 2019 to all users in the community which included the MS4 Operator’s telephone number and an email address so users in the MS4 can report illicit discharges and other pollution violations.
2. Illicit Discharge Detection and Elimination	5.2 Public Reporting Using District Website – Ensure Contact Information is on Website	MET GOAL. The MS4 continued to provide a link on their website where residents can report illicit discharges or illegal dumping and other environmental concerns.
2. Illicit Discharge Detection and Elimination	6.1 Responding to Illicit Discharges & Spills – respond to 100% of reported potential illicit discharges	MET GOAL. No illicit discharges were reported during Permit Year 1. The MS4 has a program in place to respond and perform an inspection to gather more information and track its source, if possible.
2. Illicit Discharge Detection and Elimination	6.2 Source Investigation of Illicit Discharges – respond to 100% of reported potential illicit discharges	MET GOAL. No illicit discharges were reported during Permit Year 1. The MS4 has a program in place to gather the appropriate information, prioritize the potential risk, and assess the situation of the discharge.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.</b>
2. Illicit Discharge Detection and Elimination	6.3 Source Elimination of Illicit Discharges – respond to 100% of reported potential illicit discharges	MET GOAL. No illicit discharges were reported during Permit Year 1. The MS4 has a program in place to safely remove illicit discharges, if applicable.
2. Illicit Discharge Detection and Elimination	7.1 Evaluation of the Drainage Rules for Illicit Discharges – review and continue implementing	MET GOAL. The MS4 evaluated the District’s Drainage Rules and no updates were needed in Permit Year 1.
2. Illicit Discharge Detection and Elimination	8.1 Dry Weather Field Screening – inspect 20% of storm water structural controls	MET GOAL. The MS4 conducted field observations on 20% of storm water structural controls within the MS4. If an illicit discharge was observed, it was investigated, inspected and recommendations were made for its removal.
3. Construction Site Storm Water Runoff Control	3.1 Evaluation of the Drainage Rules for Construction Site Stormwater Runoff Control – review and continue implementing	MET GOAL. The MS4 evaluated the District’s Drainage Rules and no updates were needed in Permit Year 1.
3. Construction Site Storm Water Runoff Control	4.1 Construction Site Plan Review – review 100% of applicable site plan reviews	MET GOAL. No construction drawings were received and reviewed on applicable projects to prevent water quality impacts within the MS4 in Permit Year 1. The site plans would have been reviewed in accordance with the Construction General Permit TPDES TXR150000.
3. Construction Site Storm Water Runoff Control	5.1 Construction Site Inspection & Enforcement – inspect 100% of applicable construction sites	MET GOAL. No construction inspections were performed on applicable projects in order to ensure no threat exists to the environment as a result of construction activities. The Construction Inspector would have inspected the construction sites during the preliminary stages to ensure all BMPs are properly installed.



<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.</b>
3. Construction Site Storm Water Runoff Control	6.1 Training for Construction Site Stormwater Runoff Control – hold one training session annually	MET GOAL. The MS4 Training Session was conducted on June 19, 2019 through a webinar. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.
3. Construction Site Storm Water Runoff Control	7.1 Guidance Manual for Construction Site Stormwater Runoff Control – continue utilizing	MET GOAL. The MS4 continued to utilize “Environmental Criteria Manual – Section 1 Water Quality Management - Erosion and Sedimentation Control Criteria” by the City of Austin to aid in implementing construction site BMPs.
4. Post Construction Storm Water Management in New Development and Redevelopment	3.1 Evaluation of the Drainage Rules to Address Post Construction Runoff – review and continue implementing	MET GOAL. The MS4 evaluated the District’s Drainage Rules and no updates were needed in Permit Year 1.
4. Post Construction Storm Water Management in New Development and Redevelopment	4.1 Guidance Manual for Post-Construction Stormwater Controls – continue implementing	MET GOAL. The MS4 continued to utilize “Environmental Criteria Manual – Section 1 Water Quality Management - Erosion and Sedimentation Control Criteria” by the City of Austin to aid in implementing post-construction BMPs.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.</b>
4. Post Construction Storm Water Management in New Development and Redevelopment	5.1 Inspection Program for Post-Construction Stormwater Controls – inspect all completed construction sites	MET GOAL. As a result of no construction activities occurring within the MS4, no 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. Post Construction Storm Water Management in New Development and Redevelopment	6.1 Training for Post-Construction Stormwater Controls – hold one training session annually	MET GOAL. The MS4 Training Session was conducted on June 19, 2019 through a webinar. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	3.1 Inventory of Facilities & Stormwater Structural Controls – maintain and update, as needed.	MET GOAL. The MS4 developed an inventory list of facilities in a previous permitting term. The list was evaluated and updated as needed in Permit Year 1.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	4.1 Training for Pollution Prevention & Good Housekeeping – hold one training session annually	MET GOAL. The MS4 Training Program was conducted on June 19, 2019 through a webinar. An electronic sign-in sheet was retained and all invitees were provided a copy of the presentation.

<b>MCM(s)</b>	<b>Measurable Goal(s)</b>	<b>Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.</b>
5. Pollution Prevention and Good Housekeeping for Municipal Operations	5.1 Disposal of Waste – document number of spill response kits	MET GOAL. The MS4 provided two (2) spill response kits, located at the MS4’s water plant and in an Operators’ vehicle 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.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	6.1 Contractor Oversight – provide number of contractor oversights	MET GOAL. The MS4 began to research text to use in contractors’ legal documents that work they perform for the MS4 will not have a negative effect on the storm sewer system nor will their storm water runoff be considered an illicit discharge.
5. Pollution Prevention and Good Housekeeping for Municipal Operations	7.1 Municipal Operation & Maintenance Activities – summarize O&M activities	MET GOAL. The MS4’s Emergency Spill Response Plan was reviewed and updates were made in Permit Year 1.

### **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 measureable goals and benchmarks.

The MS4 distributed 1,753 stormwater educational inserts through the mail and 461 inserts electronically to their water users in Permit Year 1. The inserts provided general information regarding storm water quality issues and promoted good housekeeping practices. The inserts also provided the MS4 District Operator’s phone number and an email address for residents to report illicit discharges and other environmental concerns.

On the MS4's website, [www.blockhousemud.com](http://www.blockhousemud.com), seven newsletters are posted that have various public education material in them that pertain to a paper shredding event, fats/oils/grease proper disposal, Christmas tree recycling, and other general good housekeeping practices residents can do to limit the amount of pollutants in the storm sewer system. The website also provided a link for residents to report any environmental issues such as illicit discharges or illegal dumping.

Pet waste stations were utilized in the MS4 service area in Permit Year 1. These stations assisted the residents in properly disposing of their pet waste. The MS4 will continue to maintain these locations.

The MS4 continued the dry weather field screening program to assist in detecting and eliminating illicit discharges. Every permit year 20% of the MS4's storm water structural controls are inspected. A total of 72 inlets, ten (10) outfalls, and two (2) creeks were inspected during Permit Year 1 for signs of debris, trash, structural integrity, and other illicit discharges. Recommendations to address these issues or other deficiencies observed from the screening are expected to be performed in the upcoming permit year.

## **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.

Block House MUD MS4 discharges storm water indirectly into classified segment 1244 – Brushy Creek Above South Brushy Creek. This classified segment is not listed on the in the latest EPA-approved 303(d) list nor the 2018 Texas Integrated Report for Surface Water Quality for CWA Section 305(b) and 303(d) developed by TCEQ and approved by the EPA on December 23, 2020. The MS4 does not discharge (directly nor indirectly) into any other water body.

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.

N/A – The MS4 does not discharge to an impaired water body as referenced in the latest EPA-approved 303(d) list and in the 2018 Texas Integrated Report for Surface Water Quality for CWA Section 305(b) and 303(d).

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

N/A – The MS4 does not discharge to an impaired water body as referenced in the latest EPA-approved 303(d) list and in the 2018 Texas Integrated Report for Surface Water Quality for CWA Section 305(b) and 303(d).

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

<b>Benchmark Parameter</b>	<b>Benchmark Value</b>	<b>Description of additional sampling or other assessment activities</b>	<b>Year(s) conducted</b>
N/A	N/A	N/A	N/A

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

<b>Benchmark Parameter</b>	<b>Selected BMP</b>	<b>Contribution to achieving Benchmark</b>
N/A	N/A	N/A

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

<b>Description of bacteria-focused BMP</b>	<b>Comments/Discussion</b>
N/A	N/A

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

<b>Benchmark Indicator</b>	<b>Description/Comments</b>
N/A	N/A

## E. Stormwater Activities

Describe activities planned for the next reporting year:

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
1	1.3.1	Utility Bill Inserts	Update/revise the educational material, as needed, and distribute material to the community annually.
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 information on the MS4's website.
1	1.4.1	Storm Drain Marking	Promote opportunities for volunteer groups to replace missing/illegible markers, as needed.
1	1.4.2	Recycling/Trach Clean-Up	Continue the volunteer recycling program during the permit year.
1	1.5.1	Opportunity for Public Comment	If available, the public notice will be published in accordance with the General Permit. Continue to hold monthly public meetings where the general public can address questions/comments about the SWMP. Consider any received public comments regarding implementation of the SWMP.
2	2.3.1	Maps of Inlets, Storm Sewer Lines, Outfalls, Surface Waters & Structural Controls	Evaluate the current storm sewer system map and incorporate any new data related to the public storm sewer system into the MS4's map.
2	2.4.1	Training for Illicit Discharge Detection & Elimination	Update/revise the training program, as needed, for illicit discharges. Offer the training program to all appropriate field staff.
2	2.5.1	Public Reporting using Utility Bill Inserts	Update/revise the educational material to ensure contact information is current and distribute to the community annually.

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
2	2.5.2	Public Reporting using Electronic Education	Update contact information on the MS4 website, as needed. Continue to provide a link on the MS4 website for residents to report any environmental issues that may be occurring in the MS4.
2	2.6.1	Responding to Illicit Discharges & Spills	Evaluate procedures for responding to reports and conducting appropriate actions that concern illicit discharges. Update/revise procedures, as needed.
2	2.6.2	Source Investigation of Illicit Discharges	Evaluate procedures to investigate illicit discharges and spills. Develop written inspection and follow-up procedures for illicit discharge investigations.
2	2.6.3	Source Elimination of Illicit Discharges	Evaluate procedures for removing illicit discharges and spills from affecting the MS4. Continue to document corrective actions performed.
2	2.7.1	Evaluation of the Drainage Rules for Illicit Discharge	Continue implementing the Drainage Rules. Review the Drainage Rules for any necessary changes to ensure compliance with the General Permit.
2	2.8.1	Dry Weather Field Screenings	Inspect 20% of the MS4's storm water structural controls and remove observed illicit discharge, if warranted. Create a summary of the inspection results and corrective actions taken.
3	3.3.1	Evaluation of the Drainage Rules for Construction Site Stormwater Runoff Control	Continue implementing the Drainage Rules. Review the Drainage Rules for any necessary changes to ensure compliance with the General Permit.
3	3.4.1	Construction Site Plan Review	Continue to conduct plan reviews to ensure no discharges occur as a result of pollutants from applicable construction sites per the TPDES Construction General Permit TXR150000.

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
3	3.5.1	Construction Site Inspection & Enforcement	Continue to conduct construction site inspections and enforcement procedures on all applicable construction projects in accordance with TPDES Construction General Permit TXR150000.
3	3.6.1	Training for Construction Site Stormwater Runoff Control	Update/revise the training program, as needed. Offer the training program to all appropriate field staff.
3	3.7.1	Guidance Manual for Construction Site Stormwater Runoff Control	Continue utilizing the guidance manual to aid in implementing construction site BMPs, as necessary.
4	4.3.1	Evaluation of the Drainage Rules to Address Post Construction Runoff	Continue implementing Drainage Rules. Review current Drainage Rules for any necessary changes to ensure compliance with the General Permit.
4	4.4.1	Guidance Manual for Post-Construction Stormwater Controls	Continue utilizing the guidance manual to aid in implementing post-construction site BMPs, as necessary.
4	4.5.1	Inspection Program for Post-Construction Stormwater Controls	Continue to conduct inspections on all applicable, completed projects, as needed.
4	4.6.1	Training for Post-Construction Stormwater Controls	Update/revise the training program, as needed. Offer the training program to all appropriate field staff.
5	5.3.1	Inventory of Facilities & Stormwater Structural Controls	Continue to maintain an MS4 inventory list and update, as needed.
5	5.4.1	Training for Pollution Prevention & Good Housekeeping	Update/revise the training program, as needed. Offer the training program to all appropriate field staff.



<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
5	5.5.1	Disposal of Waste	Continue to ensure a spill response kit is available for the MS4. Evaluate methods of waste disposal to ensure all waste is properly disposed of and does not contribute as illicit material.
5	5.6.1	Contractor Oversight	Finalize language to insert in new legal documents for the MS4 contractors to use appropriate BMPs, control measures, and other 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.

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:

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

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):

0

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:

<b>The number of municipal construction activities authorized under this general permit</b>	<b>N/A</b>
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): Cecilia Roberts Title: President, Board of Directors

Signature:  Date: 3/25/2020

Name of MS4: Block House MUD MS4