



## Phase II MS4 Annual Report From TPDES General Permit Number TXR040000

### A. General Information

Authorization Number: TXR040456

Annual Report Year: Year 5

Annual Reporting Year Option Selected by MS4: Calendar Year

Reporting period beginning date: January 1, 2018

Reporting period ending date: December 31, 2018

MS4 Operator Level: Level 2

Name of MS4/Permittee: City of Tomball

Contact Name: Craig Meyers, Community Development Director

Telephone Number: (281) 290-1412

Mailing Address: 501 James Street

Tomball, TX 77375

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A copy of the annual report was submitted to the TCEQ Regional Office YES  NO

Region the annual report was submitted. TCEQ Region 12 – Houston

### B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions: (TXR040000 Part IV Section B.2.):

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Permittee is currently in compliance with recordkeeping and reporting requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



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2. **BMP STATUS:** Provide a general assessment of the appropriateness of the selected BMPs. Use table below or attach a summary, as appropriate (Table B.2):

<b>Table B.2</b>		
MCM	BMP	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.</b>
<b>MCM 1 - Public Education, Outreach &amp; Involvement</b>		
1	Spring Cleanup Week	Yes. Will remove pollutants from source areas and will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
1	Consolidated Recycling Day	Yes. Will remove pollutants from source areas and will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
1	Legal Public Notice	Yes. Public notices help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
1	“Report a Concern” Online Form	Yes. Public reporting will expedite mitigation of issues.
1	Utility Bill Educational Message and Content	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
1	Complaint Hotline	Yes. Public reporting will expedite mitigation of issues.
1	Lobby Slide Show	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
1	Educational Content on City Website and Facebook Page	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
1	Stormwater Quality Give-A-Ways	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
1	Social Media Posts	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
<b>MCM 2 - Illicit Discharge Detection and Elimination</b>		
2	Consolidated Recycling Day	Yes. Will remove pollutants from source areas and will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.



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<b>Table B.2</b>		
<b>MCM</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.</b>
2	Litter Abatement	Yes. Trash clean-up will reduce floatables in waters of the US.
2	Nuisance Abatement	Yes. Trash clean-up will reduce floatables in waters of the US.
2	Storm Sewer Map	Yes. Map will assist in detection and elimination of illicit discharges.
2	Complaint Hotline	Yes. Public reporting will expedite mitigation of issues.
2	“Report a Concern” Online Form	Yes. Public reporting will expedite mitigation of issues.
2	Promote Harris County HHW Collection Facility	Yes. Will remove pollutant sources from city.
2	Mitigate Illegal Dumping	Yes. Will remove pollutant sources from city.
2	Detect Illicit Discharge Locations	Yes. Detection of pollutant discharge locations is required to halt them.
2	Illicit Discharge Investigation, Elimination, and Enforcement	Yes. Program investigation and enforcement procedures will enable ongoing elimination of pollutant discharges.
2	Social Media Posts	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
2	Employee Training	Yes. Training will enable effective implementation of the program.
<b>MCM 3 - Construction Site Stormwater Runoff Control</b>		
3	Erosion and Sediment Control Ordinance	Yes. The ordinance will provide legal authority to eliminate construction site discharges.
3	Construction Site Plan Review and Approval Procedures	Yes. Plan reviews will help ensure that site operators appropriately design erosion controls to reduce sediment discharges.
3	“Report a Concern” Online Form	Yes. Public reporting will expedite mitigation of issues.
3	Complaint Hotline	Yes. Public reporting will expedite mitigation of issues.
3	Construction Site Inspections and Enforcement	Yes. Inspections will help ensure that site operators appropriately implement erosion controls to reduce sediment discharges.
3	Employee Training	Yes. Training will enable effective implementation of the program.



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<b>Table B.2</b>		
<b>MCM</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.</b>
<b>MCM 4 - Post Construction Stormwater Management in New Development and Redevelopment</b>		
4	Detention Pond Maintenance	Yes. Will help ensure that facilities will reduce pollutant discharges.
4	Inspections and Long-Term O&M of Permanent Stormwater Quality BMPs for City-owned Facilities	Yes. Inspections will help ensure that the city will appropriately operate permanent controls to reduce pollutant discharges.
4	Plan Review and Approval Procedures for Permanent Stormwater Quality BMPs	Yes. Plan reviews will help ensure that developers appropriately design permanent controls to reduce pollutant discharges.
4	Inspections and Long-Term O&M of Permanent Stormwater Quality BMP for Third Party Owner/ Operators	Yes. Inspections will help ensure that site operators will appropriately operate permanent controls to reduce pollutant discharges.
<b>MCM 5 - Pollution Prevention and Good Housekeeping for Municipal Operations</b>		
5	Pesticide/Herbicide Management	Yes. Management program will help reduce excess application and spills to the MS4.
5	Disposal of Waste Material	Yes. Proper waste management will reduce pollutant loadings to waters of the US.
5	Street Sweeping	Yes. Reduces pollutant discharges from streets and public rights of way.
5	Spill Response Kits	Yes. Spill kits help reduce the pollutant levels arising from spill incidents.
5	O&M Employee Training	Yes. Training will enable effective implementation of the program.
5	O&M at City Facilities	Yes. Will reduce pollutant discharge from city operations.
5	Maintenance Contractor Requirements and Oversight	Yes. Oversight of contractors conducting activities that may pose a source of stormwater pollutants will help reduce their contributions.
5	Inspect City Facilities	Yes. Inspections will identify issues and expedite addressing them.
5	Maintain Structural Controls and City Owned Facilities	Yes. Maintenance of controls and sites will enhance their long-term operation and effectiveness.



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Table B.2		
MCM	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.
5	City-Owned Facilities and Control Inventory	Yes. An inventory of sites and controls will help organize inspections and maintenance, which will enhance their long-term operation and effectiveness.

3. **Pollutant Reduction Analysis:** Describe progress towards reducing the discharge of pollutants to the maximum extent practicable. Summarize any information used (such as visual observation, amount of materials removed or prevented from entering the MS4, or if required monitoring data, etc.) to evaluate reductions in the discharge of pollutants. Use a table or attach a narrative description as appropriate (Table B.3).

Table B.3				
MCM	BMP	Quantity	Parameter	Does BMP Demonstrate a Direct Reduction in Pollutants? (Answer yes or no, explain)
<b>MCM 1 - Public Education, Outreach &amp; Involvement</b>				
1	Spring Cleanup Week	1	Events	No. Indirectly helps by removing potential sources from MS4 service area.
1	Consolidated Recycling Day	1	Events	No. Indirectly helps by removing potential sources from MS4 service area.
1	Legal Public Notice	N/A	Notices	No. Meet legal requirements to implement new programs that in turn reduce pollutants.
1	"Report a Concern" Online Form	1	Complaints	Yes. Allow for immediate city response action.
1	Utility Bill Educational Message and Content	N/A	Inserts	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
1	Complaint Hotline	1	Complaints	Yes. Allow for immediate city response action.
1	Lobby Slide Show	0	Updates	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.



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<b>Table B.3</b>				
<b>MCM</b>	<b>BMP</b>	<b>Quantity</b>	<b>Parameter</b>	<b>Does BMP Demonstrate a Direct Reduction in Pollutants? (Answer yes or no, explain)</b>
1	Educational Content on City Website and Facebook Page	2	Updates	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
1	Stormwater Quality Give-A-Ways	500	Giveaways	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
1	Social Media Posts	2	Posts	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
<b>MCM 2 - Illicit Discharge Detection and Elimination</b>				
2	Consolidated Recycling Day	1	Events	No. Indirectly helps by removing potential sources from MS4 service area.
2	Litter Abatement	0	Abatements	No. Helps identify areas with issues so they can be mitigated.
2	Nuisance Abatement	0	Abatements	No. Helps identify areas with issues so they can be mitigated.
2	Storm Sewer Map	N/A	Updates	No. Helps in tracking the source of any found suspect discharges.
2	Complaint Hotline	0	Calls	Yes. Allow for immediate city response action.
2	"Report a Concern" Online Form	0	Reports	Yes. Allow for immediate city response action.
2	Promote Harris County HHW Collection Facility	N/A	Flyers	No. Helps to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
2	Mitigate Illegal Dumping	1	Sites	Yes. Removes pollutants from MS4 service area.
2	Detect Illicit Discharge Locations	0	Locations	Yes. Detection allows for elimination.
2	Illicit Discharge Investigation, Elimination, and Enforcement	0	Enforcement Actions	Yes. Enforcement actions make sure that discharges are eliminated completely.



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<b>Table B.3</b>				
<b>MCM</b>	<b>BMP</b>	<b>Quantity</b>	<b>Parameter</b>	<b>Does BMP Demonstrate a Direct Reduction in Pollutants? (Answer yes or no, explain)</b>
2	Social Media Posts	2	Posts	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
2	Employee Training	14	Attendees	No. Trains staff to recognize and identify an illicit discharge and follow-up.
<b>MCM 3 - Construction Site Stormwater Runoff Control</b>				
3	Erosion and Sediment Control Ordinance	1	Ordinance	No. Helps enforce program and reduce pollutants in future construction sites.
3	Construction Site Plan Review and Approval Procedures	28	Plans	No. Helps enforce program and reduce pollutants in future construction sites.
3	"Report a Concern" Online Form	1	Reports	Yes. Allow for immediate city response action.
3	Complaint Hotline	0	Calls	Yes. Allow for immediate city response action.
3	Construction Site Inspections and Enforcement	0	Enforcement Actions	Yes. Inspections will ensure the proper maintenance and installation of erosion and sediment controls on active construction projects.
3	Employee Training	14	Attendees	No. Trains staff to identify construction stormwater BMPs and potential sources of an illicit discharge from active construction sites.
<b>MCM 4 - Post Construction Stormwater Management in New Development and Redevelopment</b>				
4	Detention Pond Maintenance	8	Enforcement Actions	No. Helps with proper design of facilities and reduces pollutants discharges from failing infrastructure.
4	Inspections and Long-Term O&M of Permanent Stormwater Quality BMPs for City-owned Facilities	N/A	Inspections	No. Guides proper maintenance.
4	Plan Review and Approval Procedures for Permanent Stormwater Quality BMPs	0	Plans	No new projects drained directly into Tomball's MS4.



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<b>Table B.3</b>				
<b>MCM</b>	<b>BMP</b>	<b>Quantity</b>	<b>Parameter</b>	<b>Does BMP Demonstrate a Direct Reduction in Pollutants? (Answer yes or no, explain)</b>
4	Inspections and Long-Term O&M of Permanent Stormwater Quality BMP for Third Party Owner/Operators	N/A	Enforcement Actions	No. Guides proper maintenance.
<b>MCM 5 - Pollution Prevention and Good Housekeeping for Municipal Operations</b>				
5	Pesticide/Herbicide Management	N/A	Documented Licenses	No. Trains applicators in proper use of chemicals which will reduce pollution.
5	Disposal of Waste Material	N/A	Documented Disposal	No. Demonstrates that waste was properly handled.
5	Street Sweeping	N/A	Miles	Yes. Directly proportional to pollutants removed from roadways.
5	Spill Response Kits	N/A	Documented Audit	No. Demonstrates response possible if kit is present.
5	O&M Employee Training	14	Attendees	No. Trains staff on the standard operating procedures for pollution prevention during municipal operations and at municipally owned sites to reduce potential sources for stormwater pollution.
5	O&M at City Facilities	6	Inspections	No. Inspections conducted and irregularities are addressed upon discovery.
5	Maintenance Contractor Requirements and Oversight	N/A	N/A	No. Helps verify that newly hired contractors follow the stormwater control, waste disposal, and good housekeeping requirements.
5	Inspect City Facilities	6	Inspections	No. Inspections conducted and irregularities are addressed upon discovery.
5	Maintain Structural Controls and City Owned Facilities	N/A	Maintenance Activities	No. Maintenance of City-owned and operated facilities and stormwater controls will reduce the risks of pollution.
5	City-Owned Facilities and Control Inventory	0	Updates to the Inventory	No. Inventory of City-owned and operated facilities and stormwater controls will help identify the risks of pollution.



## Phase II MS4 Annual Report From TPDES General Permit Number TXR040000

4. **Measurable Goals Status:** Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (Table B.4).

<b>Table B.4</b>			
<b>MCM</b>	<b>BMP</b>	<b>Measurable Goal</b>	<b>Explain Progress toward goal or how goal was achieved</b>
<b>MCM 1 - Public Education, Outreach &amp; Involvement</b>			
1	Spring Cleanup Week	Record the date of advertisement. Maintain copy of the announcements.	Event advertisement was posted on Facebook on April 4, 2018.
		Conduct one event each year and prepare a summary of the events. Estimate the number of households participating. Assess whether appropriate staff time was devoted to the preparation and execution of the event. Record recommendations to improve future events.	The City's cleanup week took place from April 16-21, 2018.
		Record the type, volume and method of disposal for wastes received.	All wastes received was disposed of properly.
1	Consolidated Recycling Day	Record the date of advertisement. Maintain copy of the advertising announcements.	The event was advertised through utility bill inserts, the City's Facebook page and on the City's website.
		Conduct one each year and prepare a summary of the event. Estimate the number of households participating. Assess whether appropriate staff time was devoted to the preparation and execution of the event. Record recommendations to improve future events.	The Consolidated Recycling Day took place on April 21, 2018.
		Record the type, volume and method of disposal for wastes received.	Waste Corporation of America (WCA) received 2.5 tons of materials for recycling.
1	Legal Public Notice	Document publication on website and posting at city hall or other suitable method(s).	There were no public notices issued in 2018.



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<b>Table B.4</b>			
<b>MCM</b>	<b>BMP</b>	<b>Measurable Goal</b>	<b>Explain Progress toward goal or how goal was achieved</b>
1	"Report a Concern" Online Form	Document reported concerns and City follow-up actions.	The City received 1 complaint. The complaint is being addressed.
		Maintain log of advertising methods used to publicize hotline.	The "Report a Concern" online form advertised through stormwater giveaways.
1	Utility Bill Educational Message and Content	Record dates that messages were included in utility bills. Maintain copies of educational content posted on the web and in social media outlets.	Educational materials were distributed.
1	Complaint Hotline	Track number of complaints received.	The City received 1 complaint. The complaint is being addressed.
1	Lobby Slide Show	Maintain log of updates and hard copies of posted slides.	This BMP is complete. Copies of the slides are kept by the City.
1	Educational Content on City Website and Facebook page	Post updates. Track visitors to website with web counter, and "likes" for Facebook page.	Protecting water quality with good lawn care practices flyer and FOG flyer were posted on Facebook and the City's website.
1	Stormwater Quality Give-A-Ways	Print or purchase up to 500 items annually. Record number of give-a-ways distributed.	Five hundred items were purchased in 2018 as giveaways at Tomball Night and at the permitting window.
1	Social Media Posts	Maintain a copy of stormwater related posts. Record date.	Protecting water quality with good lawn care practices flyer was posted on Facebook on August 2, 2018.



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<b>Table B.4</b>			
<b>MCM</b>	<b>BMP</b>	<b>Measurable Goal</b>	<b>Explain Progress toward goal or how goal was achieved</b>
<b>MCM 2 - Illicit Discharge Detection and Elimination</b>			
2	Consolidated Recycling Day	Record the date of advertisement. Maintain copy of the advertising announcements.	See MCM 1 – BMP #2
		Conduct one each year and prepare a summary of the event. Estimate the number of households participating. Assess whether appropriate staff time was devoted to the preparation and execution of the event. Record recommendations to improve future events.	See MCM 1 – BMP #2
		Record the type, volume and method of disposal for wastes received.	See MCM 1 – BMP #2
2	Litter Abatement	Maintain log of abatement activities.	This BMP is completed.
2	Nuisance Abatement	Maintain log of nuisance abatement activities including dates and locations.	This BMP is completed.
2	Storm Sewer Map	Update map and maintain log to document date of revisions.	Map has been updated in 2018 per record drawings.
2	Complaint Hotline	Track number of complaints received.	See MCM 1 – BMP #6
2	"Report a Concern" Online Form	Document reported concerns and City follow-up actions.	See MCM 1 – BMP #4
		Maintain log of advertising methods used to publicize hotline.	See MCM 1 – BMP #4
2	Promote Harris County HHW Collection Facility	Record dates of advertisements. Maintain copy of post or advertisements.	Harris County advertises the facility.
		Record number of flyers distributed. Maintain copy of flyer.	Harris County advertises the facility.



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<b>Table B.4</b>			
<b>MCM</b>	<b>BMP</b>	<b>Measurable Goal</b>	<b>Explain Progress toward goal or how goal was achieved</b>
2	Mitigate Illegal Dumping	Maintain a log of illegal dumping mitigation activities including dates and locations of follow-up actions.	A log of illegal dumping is maintained by the Public Works Department. In 2018, there was one location where multiple instances of illegal dumping were observed.
2	Detect Illicit Discharge Locations	Maintain a log of detected illicit discharges and follow-up actions.	No illicit discharges were detected during 2018.
		Maintain a log of detected illicit discharges and follow-up actions.	No illicit discharges were detected during 2018.
2	Illicit Discharge Investigation, Elimination, and Enforcement	Complete and document activity.	No illicit discharges were found in 2018.
2	Social Media Posts	Maintain a copy of stormwater related posts. Record date.	See MCM 1 – BMP #12
2	Employee Training	Complete and document activity. Maintain log of attendees.	The training took place on September 12, 2018. A log of attendees is kept by the City.
<b>MCM 3 - Construction Site Stormwater Runoff Control</b>			
3	Erosion and Sediment Control Ordinance	Provide public notice for adopted ordinances.	Public notice was provided at two City Council meetings.
3	Construction Site Plan Review and Approval Procedures	Maintain log of plans reviewed and status. Record number of plans reviewed.	Fifty-three (53) plans were reviewed in 2018.
3	"Report a Concern" Online Form	Document reported concerns and City follow-up actions.	See MCM 1 – BMP #4
		Maintain log of advertising methods used to publicize hotline.	See MCM 1 – BMP #4
3	Complaint Hotline	Track number of complaints received.	See MCM 1 – BMP #6



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<b>Table B.4</b>			
<b>MCM</b>	<b>BMP</b>	<b>Measurable Goal</b>	<b>Explain Progress toward goal or how goal was achieved</b>
3	Construction Site Inspections and Enforcement	Inspect 100% of sites subject to permitting program. Maintain log of sites inspected, dates, and findings. Record number of sites inspected.	Fifty-three (53) sites were inspected to ensure compliance with adopted codes.
3	Employee Training	Complete and document activity. Maintain log of attendees.	The training took place on September 12, 2018. A log of attendees is kept by the City.
<b>MCM 4 - Post Construction Stormwater Management in New Development and Redevelopment</b>			
4	Detention Pond Maintenance	Review detention pond drawings from 100% from construction permit applications.	This BMP is completed.
		Document enforcement actions taken.	Eight (8) cases involved enforcement actions were documented.
4	Inspections and Long-Term O&M of Permanent Stormwater Quality BMPs for City-owned Facilities	Document inspection findings.	This BMP is completed.
4	Plan Review and Approval Procedures for Permanent Stormwater Quality BMPs	Review all third-party site plans submitted for City review and approval for compliance with the City permanent stormwater quality order.	No new projects drained directly into Tomball's MS4.
4	Inspections and Long-Term O&M of Permanent Stormwater Quality BMP for Third Party Owner/ Operators	Review 100% of submitted renewal applications. Maintain log of renewal applications reviewed and status. Document enforcement actions taken.	Inspections were completed.
<b>MCM 5 - Pollution Prevention and Good Housekeeping for Municipal Operations</b>			
5	Pesticide/Herbicide Management	Track employee certifications for all pesticide/herbicide staff.	The City uses outside services for the use of pesticide and herbicide.



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<b>Table B.4</b>			
<b>MCM</b>	<b>BMP</b>	<b>Measurable Goal</b>	<b>Explain Progress toward goal or how goal was achieved</b>
5	Disposal of Waste Material	For each disposal activity, document the type of waste, the amount of the waste, the date, the transporter, and the destination.	Waste was disposed of properly.
5	Street Sweeping	Maintain log indicating date and location of areas swept.	Sweeping was done weekly during the early Spring, Fall, and Winter months.
5	Spill Response Kits	Document deployment of kits at all inventoried facilities each year.	Spill response kits are available and accessible at City-owned facilities.
5	O&M Employee Training	Maintain log of training events and attendees.	Training provided on October 3 <sup>rd</sup> , 2018.
5	O&M at City Facilities	Record dates of inspection and identify maintenance activities performed.	Bi-monthly inspections were performed.
5	Maintenance Contractor Requirements and Oversight	Include standard contract language and SOPs in all new contracts.	Completed
		Document oversight date, activity, and person.	Completed
5	Inspect City Facilities	Document inspections.	Quarterly visual inspections were performed by Atkins Engineering.
5	Maintain Structural Controls and City Owned Facilities	Conduct required maintenance activities of structural controls. Document activities.	City-owned pond was maintained.
5	City-Owned Facilities and Control Inventory	Maintain record of updates and additions to facilities and control inventory.	No updates were added to the inventory in 2018.

**C. Stormwater Monitoring Data (Part IV Section B.2.(b))**

1. The MS4 has conducted analytical monitoring of stormwater quality and submitted in the annual report.

Yes

No



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- a. Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

*The MS4 has not conducted any direct sampling and chemical monitoring of stormwater quality, however, the MS4 has visually screened outfalls for illicit discharges during dry weather by MS4 staff or contractors with Ad Hoc screenings conducted during normal work activities. No illicit discharges were observed during this reporting period. Solid wastes and pollutants are carefully managed at all District wastewater operations facilities to reduce the discharge of pollutants. These operations continued in the reporting period. The lack of identified illicit discharges and the successful completion of all other scheduled activities suggests that the program is reducing the discharge of pollutants to the MEP.*

### D. Impaired Waterbodies (Part IV Section B.2.(c))

1. If applicable, explain below or attach a summary of 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.

*Actions taken to address the discharge to impaired waterbodies in Permit Year 5 (2018) included the following scheduled Focused BMP activities:*

- *Address Sanitary Sewer System and Lift Station Conditions*
- *Improve Sanitary Sewer System Leaks and Overflow Reporting*
- *Improve Collection System Protections and Public Education*
- *Address Onsite Sewage Facilities*
- *Illicit Discharges and Dumping*
- *Identify and Address Significant Animal Sources*
- *Grease and Grit Trap Ordinance*
- *Sanitary Sewer Overflow Mitigation Program*

2. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL (Part II Section D.4.(a))

BMP	Activity
1. Address Sanitary Sewer System and Lift Station Conditions	Conduct system evaluation and identify needed improvements.
2. Improve Sanitary Sewer System Leaks and Overflow Reporting	Train employees to identify and report overflows or leaks.
	Educate residents to identify and report overflows or leaks.
	Publicize reporting mechanisms and document all reports.



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BMP	Activity
3. Improve Collection System Protections and Public Education	Distribute educational materials.
4. Address Onsite Sewage Facilities	Conduct study of map and conduct drive by inspections of priority areas.
5. Illicit Discharges and Dumping	Clean up dumping sites.
6. Identify and Address Significant Animal Sources	Seek voluntary actions to reduce bacteria loads. Document actions and results.
	Take enforcement action to compel load reductions.
9. Grease and Grit Trap Ordinance	Continue to update list of grease and grit trap waste generators.
	Continue to review grease and grit trap disposal manifests for compliance with City Ordinance.
10. Sanitary Sewer Overflow Mitigation Program	Update sanitary sewer replacement map.
	Develop a list to prioritize lines that need to be replaced or repaired. Develop a budget for projects.
	Complete scheduled and budgeted repairs or replacement projects.

**3. Report the benchmark identified by the MS4 and assessment activities (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(6).**

Benchmark Parameter	Assessment Unit	Benchmark Value (Billion MPN/day)	Description of Additional Sampling or Assessment Activities	Year(s) Conducted
Bacteria in Spring Creek	1008_02	287	No monitoring was performed as the City is not required to. However, the City has TMDL BMPs which target bacteria specifically.	2018
	1008_03	1,420	No monitoring was performed as the City is not required to. However, the City has TMDL BMPs which target bacteria specifically.	2018
Bacteria in Willow Creek	1008H_01	166	No monitoring was performed as the City is not required to. However, the City has TMDL BMPs which target bacteria specifically.	2018



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4. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark (Refer to MS4 General permit TXR040000; Part II Section D.4.(a)(4)).

BMP	Contribution to Achieving Benchmark
Address Sanitary Sewer System and Lift Station Conditions	Reducing sanitary sewer overflows will directly reduce bacteria loadings.
Improve Sanitary Sewer System Leaks and Overflow Reporting	Improved reporting will help identify problem areas and guide to mitigation efforts to reduce bacteria loadings.
Improve Collection System Protections and Public Education	Strengthening the sanitary sewer use ordinance and educating dischargers to the sanitary sewer will help reduce clogs and overflows and hence, reduce bacteria loadings.
Illicit Discharges and Dumping	A more focused effort to identify discharges in the impaired watershed will help identify and eliminate them and reduce bacteria loadings.
Identify and Address Significant Animal Sources	An effort to identify animal sources in the impaired watershed will help identify and eliminate the discharges associated with them and reduce bacteria loadings.
Grease and Grit Trap Ordinance	A grease and grit trap ordinance will help reduce grease and grit related blockages and the associated overflows and help reduce bacteria loadings.
Sanitary Sewer Overflow Mitigation Program	A program to improve the sanitary sewer system will reduce overflows and pollutant discharges and help reduce bacteria loadings.

5. If applicable, report on focused BMPs to address impairment of bacteria (Refer to MS4 General permit TXR040000; Part II Section D.4.(a)(5)).

Pollutant to Address	Description of Focused BMP	Comments/Discussion
Bacteria	1. Address Sanitary Sewer System and Lift Station Conditions	This BMP is continuously being developed and monitored.
Bacteria	2. Improve Sanitary Sewer System Leaks and Overflow Reporting	This BMP is continuously being developed and monitored.
Bacteria	3. Improve Collection System Protections and Public Education	This BMP is continuously being developed and monitored.
Bacteria	4. Address Onsite Sewage Facilities	Inspections are performed by Harris County.
Bacteria	Illicit Discharges and Dumping	One dumping site was monitored.
Bacteria	6. Identify and Address Significant Animal Sources	An ordinance regarding pet waste management was passed.



## Phase II MS4 Annual Report From TPDES General Permit Number TXR040000

Pollutant to Address	Description of Focused BMP	Comments/Discussion
Bacteria	9. Grease and Grit Trap Ordinance	The Grease and Grit Trap Ordinance was completed in 2017.
Bacteria	10. Sanitary Sewer Overflow Mitigation Program	Sanitary sewer overflows were monitored and handled as needed.

**5. Assess the progress to determine BMP's effectiveness in achieving the benchmark (Refer to the MS4 General Permit TXR040000; Part II.D.4.(a)(6)):**

*The City of Tomball have specific TMDL BMPs to keep the reduction of pollution to the maximum extent practical. The "Report a Concern" form on the City's website is available for citizens to report any sanitary sewer overflows. Educational flyers regarding fats, oils, and grease (FOG) were distributed to help citizens aware that FOG is a major source of pollution to the waterways and methods to dispose of FOG correctly. Pet Waste Ordinance and Grease and Grit Trap Ordinance continued to be enforced.*

**E. Stormwater Activities for the Next Reporting Year (Part IV Section B.2. (d))**

Describe stormwater activities the MS4 operator plans to undertake during the next reporting year. You may use the table below (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(d)):

*Not applicable since this is the final year of permit Term 2.*

**F. SWMP Modifications**

1. 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 reviews.

Yes

No

If 'Yes', report on changes made to measurable goals and BMPs (Refer to the MS4 General Permit TXR040000 Part IV section B.2. (e)):

*No changes were made for the City of Tomball.*

**G. Additional BMPs (Part IV Section B.2. (f))**

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.

*No additional BMPs are necessary for the City of Tomball at this time.*



## Phase II MS4 Annual Report From TPDES General Permit Number TXR040000

### H. Additional Information (Part IV Section B.2. (g))

1. Is the permittee relying on another entity to satisfy some of its permit obligations? (refer to the MS4 General Permit TXR040000 Part IV Section B.2. (g))

Yes       No

2. a. Is the named permittee sharing a SWMP with other entities?

Yes       No

b. If 'yes,' is this a system-wide annual report including information for all permittees?

Yes       No

### I. Construction Activities (Part IV Section B.2. (h-i))

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Notices of intent and site notices received; Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(h))

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2. a. Does the permittee utilize the optional 7th MCM related to construction?

Yes       No

b. If 'yes,' then provide the following information for this permit year (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(i)):

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



## Phase II MS4 Annual Report From TPDES General Permit Number TXR040000

### J. Certification

*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): Robert S. Hauck Title: City Manager

Signature:  Date: 3/22/19

**Note:** 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).