

**Small Municipal Separate Storm Sewer System (MS4) Annual Report Form
TPDES General Permit Number TXR040000**

A. General Information

Authorization Number: TXR040456

Reporting Year: 4

Annual Reporting Year Option Selected by MS4:

Calendar Year: X

Permit Year: _____

Reporting period beginning date: (month/date/year) January 1, 2017

Reporting period end date (month/date/year) December 31, 2017

MS4 Operator Level: Level 2 **Name of MS4:** City of Tomball

Contact Name: Craig Meyers

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A copy of the annual report was submitted to the TCEQ Region; YES: X 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.):**

Compliance Status	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		

2. **Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below (See Example 1 in instructions):**

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or no, and explain.)
Public Education and Outreach	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.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or no, and explain.)
Public Education and Outreach	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.
Public Education and Outreach	Legal Public Notice	Yes. Public notices help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
Public Education and Outreach	"Report a Concern" Online Form	Yes. Public reporting will expedite mitigation of issues.
Public Education and Outreach	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.
Public Education and Outreach	Complaint Hotline	Yes. Public reporting will expedite mitigation of issues.
Public Education and Outreach	Storm Drain Placarding	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
Public Education and Outreach	Public Involvement in SWMP Development	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
Public Education and Outreach	Lobby Slide Show	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
Public Education and Outreach	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.
Public Education and Outreach	Stormwater Quality Give- A- Ways	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
Public Education and Outreach	Post Stormwater Content in City Social Media	Yes. Will help to educate the public about stormwater quality issues and behavior will change to reduce pollutant discharges.
Public Education and Outreach	Identify Target Audiences for Public Education and Outreach Program	Yes. Identifying the audience will help tailor the messages about stormwater quality issues and behavior will change to reduce pollutant discharges.
Public Education and Outreach	Identify Goals and Objectives of Public Education and Outreach Program	Yes. Identifying the goals will help tailor the messages about stormwater quality issues and behavior will change to reduce pollutant discharges.
Illicit Discharge Detection & Elimination	Litter Abatement	Yes. Trash clean-up will reduce floatables in waters of the US.
Illicit Discharge Detection & Elimination	Nuisance Abatement	Yes. Trash clean-up will reduce floatables in waters of the US.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or no, and explain.)
Illicit Discharge Detection & Elimination	Storm Sewer Map	Yes. Map will assist in detection and elimination of illicit discharges.
Illicit Discharge Detection & Elimination	Complaint Hotline	See prior response.
Illicit Discharge Detection & Elimination	"Report a Concern" Online Form	See prior response.
Illicit Discharge Detection & Elimination	Storm Drain Placarding	See prior response.
Illicit Discharge Detection & Elimination	Promote Harris County HHW Collection Facility	Yes. Will remove pollutant sources from city.
Illicit Discharge Detection & Elimination	Mitigate Illegal Dumping	Yes. Will remove pollutant sources from drainage areas.
Illicit Discharge Detection & Elimination	Detect Illicit Discharge Locations	Yes. Detection of pollutant discharge locations is required to halt them.
Illicit Discharge Detection & Elimination	Illicit Discharge Program Procedures	Yes. Program procedures will enable ongoing implementation of the program and the ongoing elimination of pollutant discharges.
Illicit Discharge Detection & Elimination	Illicit Discharge Investigation, Elimination, and Enforcement	Yes. Program investigation and enforcement procedures will enable ongoing elimination of pollutant discharges.
Illicit Discharge Detection & Elimination	Post Stormwater Content in City Social Media	See prior response.
Illicit Discharge Detection & Elimination	Employee Training	Yes. Training will enable effective implementation of the program.
Illicit Discharge Detection & Elimination	Illicit Discharge Ordinance	Yes. Will provide legal authority to eliminate discharges.
Construction Stormwater Controls	Erosion and Sediment Control Ordinance	Yes. Rules will provide legal authority to eliminate construction site discharges.
Construction Stormwater Controls	Construction Site Design Requirements	Yes. Will help ensure that site operators appropriately design erosion controls to reduce sediment discharges.
Construction Stormwater Controls	Construction Site Plan Review and Approval Procedures	Yes. Plan reviews will help ensure that site operators appropriately design erosion controls to reduce sediment discharges.
Construction Stormwater Controls	"Report a Concern" Online Form	See prior response.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or no, and explain.)
Construction Stormwater Controls	Complaint Hotline	See prior response.
Construction Stormwater Controls	Construction Site Inspections and Enforcement	Yes. Inspections will help ensure that site operators appropriately implement erosion controls to reduce sediment discharges.
Construction Stormwater Controls	Employee Training	See prior response.
Post-Construction Stormwater Controls	Detention Pond Maintenance	Yes. Will help ensure that facilities will reduce pollutant discharges.
Post-Construction Stormwater Controls	Permanent Stormwater Quality Ordinance	Yes. Rules will impose stormwater quality provisions on new development and significant redevelopment and will reduce pollutant loadings.
Post-Construction Stormwater Controls	Design Criteria	Yes. Design requirements will help ensure that developers appropriately design permanent controls to reduce pollutant discharges.
Post-Construction Stormwater Controls	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.
Post-Construction Stormwater Controls	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.
Post-Construction Stormwater Controls	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.
Pollution Prevention / Good Housekeeping	Pesticide/ Herbicide Management	Yes. Management program will help reduce excess application and spills to the MS4.
Pollution Prevention / Good Housekeeping	Disposal of Waste Material	Yes. Proper waste management will reduce pollutant loadings to waters of the US.
Pollution Prevention / Good Housekeeping	Street Sweeping	Yes. Reduces pollutant discharges from streets and public rights of way.
Pollution Prevention / Good Housekeeping	Spill Response Kits	Yes. Spill kits help reduce the pollutant levels arising from spill incidents.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or no, and explain.)
Pollution Prevention / Good Housekeeping	O&M Employee Training	See prior response.
Pollution Prevention / Good Housekeeping	Good Housekeeping SOP Manual	Yes. Will reduce pollutant discharge from city operations.
Pollution Prevention / Good Housekeeping	O&M at City Facilities	Yes. Will reduce pollutant discharge from city operations.
Pollution Prevention / Good Housekeeping	Maintenance Contractor Requirements and Oversight	Yes. Oversight of contractors conducting activities that may pose a source of stormwater pollutants will help reduce their contributions.
Pollution Prevention / Good Housekeeping	Assessment of City Facilities and Operations	Yes. Assessment work will identify stormwater pollutant sources and allow for mitigation efforts to be implemented.
Pollution Prevention / Good Housekeeping	Identify Pollutants of Concern at City Facilities	Yes. Pollutant identification will allow for mitigation efforts to be implemented.
Pollution Prevention / Good Housekeeping	Develop Pollution Prevention Measures for City Facilities	Yes. Pollution prevention measures, when implemented, will reduce pollutant discharges.
Pollution Prevention / Good Housekeeping	Inspect City Facilities	Yes. Inspections will identify issues and expedite addressing them.
Pollution Prevention / Good Housekeeping	Maintain Structural Controls and City Owned Facilities	Yes. Maintenance of controls and sites will enhance their long term operation and effectiveness.
Pollution Prevention / Good Housekeeping	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.
Focused BMPs Addressing Bacteria TMDLs	Address Sanitary Sewer System and Lift Station Conditions	Yes. Helps reduce bacteria discharges from sanitary sewer overflows.
Focused BMPs Addressing Bacteria TMDLs	Improve Sanitary Sewer System Leaks and Overflow Reporting	Yes. Helps reduce bacteria discharges from sanitary sewer overflows.
Focused BMPs Addressing Bacteria TMDLs	Improve Collection System Protections and Public Education	Yes. Helps reduce bacteria discharges from sanitary sewer overflows.
Focused BMPs Addressing Bacteria TMDLs	Address Onsite Sewage Facilities	Yes. Helps reduce bacteria discharges from septic system overflows.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or no, and explain.)
Focused BMPs Addressing Bacteria TMDLs	Illicit Discharges and Dumping	Yes. Helps reduce bacteria discharges from illicit discharges and dumping.
Focused BMPs Addressing Bacteria TMDLs	Identify and Address Significant Animal Sources	Yes. Helps reduce bacteria discharges from animal sources.
Focused BMPs Addressing Bacteria TMDLs	Residential Education About Bacteria Loadings	Yes. Helps reduce bacteria discharges from residential sources.
Focused BMPs Addressing Bacteria TMDLs	Pet Waste Management Regulation	Yes. Helps reduce bacteria discharges from pets.
Focused BMPs Addressing Bacteria TMDLs	Grease and Grit Trap Ordinance	No. Helps reduce bacteria discharges from sanitary sewer overflows arising from clogged sewer lines or lift stations.
Focused BMPs Addressing Bacteria TMDLs	Sanitary Sewer Overflow Mitigation Program	Yes. Helps reduce bacteria discharges from sanitary sewer overflows.

3. 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. You may use the table (See Example 2 in instructions):

The following chart only includes activities conducted in calendar year 2017.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
Public Education and Outreach	Spring Cleanup Week	Event planning documents.	1	Events	No. Indirectly helps by removing potential sources from MS4 service area.
Public Education and Outreach	Consolidated Recycling Day	Event planning documents.	1	Events	No. Indirectly helps by removing potential sources from MS4 service area.
Public Education and Outreach	Legal Public Notice	Notices.	0	Notices	No. Meet legal requirements to implement new programs that in turn reduce pollutants.
Public Education and Outreach	"Report a Concern" Online Form	Reports.	0	Reports	Yes. Allow for immediate city response action.
Public Education and Outreach	Utility Bill Educational Message and Content	Number of Inserts	2	Inserts	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
Public Education and Outreach	Complaint Hotline	Calls	0	Calls	Yes. Allow for immediate city response action.
Public Education and Outreach	Storm Drain Placarding	Installed Placards	3,500	Placard	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
Public Education and Outreach	Lobby Slide Show	Number of Updates	2	Updates	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
Public Education and Outreach	Stormwater Quality Give-A-Ways	Number Distributed	500	Give-a-ways	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
Public Education and Outreach	Post Stormwater Content in City Social Media	Number of Updates	2	Updates	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
Illicit Discharge Detection & Elimination	Litter Abatement	Log of activities.	0	Abatements	No. Helps identify areas with issues so they can be mitigated.
Illicit Discharge Detection & Elimination	Nuisance Abatement	Log of activities.	0	Abatements	No. Helps identify areas with issues so they can be mitigated.
Illicit Discharge Detection & Elimination	Storm Sewer Map	Update	1	Updates	No. Helps in tracking the source of any found suspect discharges.
Illicit Discharge Detection & Elimination	Complaint Hotline	See prior response.	NA	NA	NA
Illicit Discharge Detection & Elimination	"Report a Concern" Online Form	See prior response.	NA	NA	NA
Illicit Discharge Detection & Elimination	Storm Drain Placarding	See prior response.	NA	NA	NA
Illicit Discharge Detection & Elimination	Promote Harris County HHW Collection Facility	Number of flyers distributed.	0	Flyers	No. Helps to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
Illicit Discharge Detection & Elimination	Mitigate Illegal Dumping	Number of sites cleaned up.	0	Sites	Yes. Removes pollutants from MS4 service area.
Illicit Discharge Detection & Elimination	Detect Illicit Discharge Locations	Number of potential discharges	0	Locations	Yes. Detection allows for elimination.
Illicit Discharge Detection & Elimination	Illicit Discharge Program Procedures	Adoption.	1	Procedures	No. Helps detect and eliminate discharges.
Illicit Discharge Detection & Elimination	Post Stormwater Content in City Social Media	See prior response.	NA	NA	NA
Illicit Discharge Detection & Elimination	Employee Training	Number of attendees.	19	Attendee	No. Helps identify potential illicit discharges.
Illicit Discharge Detection & Elimination	Illicit Discharge Ordinance	Adoption.	1	Ordinance	No. Helps enforce program and detect and eliminate discharges.
Construction Stormwater Controls	Erosion and Sediment Control Ordinance	Adoption.	1	Ordinance	No. Helps enforce program and reduce pollutants in future construction sites.
Construction Stormwater Controls	Construction Site Design Requirements	Adoption.	1	Requirement Document	No. Helps enforce program and reduce pollutants in future construction sites.
Construction Stormwater Controls	Construction Site Plan Review and Approval Procedures	Adoption.	1	Procedures	No. Helps enforce program and reduce pollutants in future construction sites.
Construction Stormwater Controls	"Report a Concern" Online Form	See prior response.	NA	NA	NA
Construction Stormwater Controls	Complaint Hotline	See prior response.	NA	NA	NA
Construction Stormwater Controls	Employee Training	See prior response.	NA	NA	NA
Post-Construction Stormwater Controls	Detention Pond Maintenance	Records of plan reviews.	9	Reviews	No. Helps with proper design of facilities and reduces pollutants discharges from failing infrastructure.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
Post-Construction Stormwater Controls	Detention Pond Maintenance	Records of enforcement actions.	3	Enforcements	No. Helps with proper design of facilities and reduces pollutants discharges from poor maintenance.
Post-Construction Stormwater Controls	Permanent Stormwater Quality Ordinance	Adoption	1	Ordinance	No. Creates enforcement framework for permanent controls.
Post-Construction Stormwater Controls	Design Criteria	Adoption	1	Criteria Document	No. Guides proper future design.
Post-Construction Stormwater Controls	Plan Review and Approval Procedures for Permanent Stormwater Quality BMPs	Adoption	1	Procedures	No. Guides proper review and approval for permanent controls.
Post-Construction Stormwater Controls	Inspections and Long-Term O&M of Permanent Stormwater Quality BMPs for City-owned facilities	Adoption of procedures.	1	Procedures	No. Guides proper maintenance.
Post-Construction Stormwater Controls	Inspections and Long-Term O&M of Permanent Stormwater Quality BMP for Third Party Owner/Operators	Adoption of procedures.	1	Procedures	No. Guides proper maintenance.
Pollution Prevention / Good Housekeeping	Pesticide/Herbicide Management	License documentation.	0	Each	No. Trains applicators in proper use of chemicals which will reduce pollution.
Pollution Prevention / Good Housekeeping	Disposal of Waste Material	Disposal documentation.	2,912 cy solid waste 1,500 gal used oil	Each	No. Demonstrates that waste was properly handled.
Pollution Prevention / Good Housekeeping	Street Sweeping	Miles swept.	232	Miles	Yes. Directly proportional to pollutants removed from roadways.
Pollution Prevention / Good Housekeeping	Spill Response Kits	Audit documentation.	1	Each	No. Demonstrates response possible if kit is present.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
Pollution Prevention / Good Housekeeping	O&M Employee Training	See prior response.	NA	NA	NA
Pollution Prevention / Good Housekeeping	Good Housekeeping SOP Manual	Adoption.	1	Manual	No. Guides proper procedures which reduce discharges.
Pollution Prevention / Good Housekeeping	O&M at City Facilities	Inspection records	1	Inspections	No. Inspections conducted and irregularities are addressed upon discovery.
Pollution Prevention / Good Housekeeping	Develop Pollution Prevention Measures for City Facilities	Plans	1	Plans	No. Guides good housekeeping and practices which reduces pollution.
Pollution Prevention / Good Housekeeping	Inspect City Facilities	Inspection records	1	Inspections	No. Inspections conducted and irregularities are addressed upon discovery.
Pollution Prevention / Good Housekeeping	Maintain Structural Controls and City Owned Facilities	Not applicable.	NA	NA	Not applicable. No structural controls currently in operation.
Pollution Prevention / Good Housekeeping	City-Owned Facilities and Control Inventory	Not applicable.	NA	NA	Not applicable. No structural controls currently in operation.
Focused BMPs Addressing Bacteria TMDLs	Address Sanitary Sewer System and Lift Station Conditions	Overflow map.	1	Map	No. Allows for further assessment of areas of concern.
Focused BMPs Addressing Bacteria TMDLs	Address Sanitary Sewer System and Lift Station Conditions	Evaluation process	1	Process	No. Allows for further assessment of areas of concern.
Focused BMPs Addressing Bacteria TMDLs	Improve Sanitary Sewer System Leaks and Overflow Reporting	Staff Training	See prior response	NA	NA
Focused BMPs Addressing Bacteria TMDLs	Improve Sanitary Sewer System Leaks and Overflow Reporting	Resident education materials distributed.	1	Flyer	No. Help to educate citizens, which in turn should change behavior, which should in turn reduce pollutants.
Focused BMPs Addressing Bacteria TMDLs	Improve Collection System Protections and Public Education	Revised ordinance adopted.	1	Ordinance	No. Helps reduce ragging and clogging and therefore pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
Focused BMPs Addressing Bacteria TMDLs	Improve Collection System Protections and Public Education	Resident education materials distributed.	See prior response	NA	NA
Focused BMPs Addressing Bacteria TMDLs	Address Onsite Sewage Facilities	Inspection records of priority areas.	11	Priority Areas	Yes. Identification of problem systems allows for direct mitigation.
Focused BMPs Addressing Bacteria TMDLs	Illicit Discharges and Dumping	Records of visual inspections.	39	Outfalls	Yes. Identification of problem outfalls allows for direct mitigation.
Focused BMPs Addressing Bacteria TMDLs	Identify and Address Significant Animal Sources	Not Applicable. No animal sources.	NA	NA	NA
Focused BMPs Addressing Bacteria TMDLs	Residential Education About Bacteria Loadings	See prior response	NA	NA	NA
Focused BMPs Addressing Bacteria TMDLs	Pet Waste Management Regulation	Ordinance adoption.	1	Ordinance	No. Establishes enforcement framework for pet waste control to reduce bacteria loadings.
Focused BMPs Addressing Bacteria TMDLs	Grease and Grit Trap Ordinance	Site Self Reports	75	Locations	Yes. Identification of problem systems allows for direct mitigation.
Focused BMPs Addressing Bacteria TMDLs	Sanitary Sewer Overflow Mitigation Program	Update sanitary sewer map.	1	Map Update	No. Allows for identification of future replacement or repair work.
Focused BMPs Addressing Bacteria TMDLs	Sanitary Sewer Overflow Mitigation Program	Completed repairs or replacements	52	Workorders	Yes. Reduces size and frequency of SSOs.

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (See Example 3 in instructions):

MCM(s)	BMP	Measurable Goals	Status
Public Education & Outreach	Spring Cleanup Week	Complete activity once per year.	Completed for 2017.
Public Education & Outreach	Consolidated Recycling Day	Complete activity once per year.	Completed for 2017.

MCM(s)	BMP	Measurable Goals	Status
Public Education & Outreach	Legal Public Notice	Complete activity as needed.	Completed for 2017.
Public Education & Outreach	"Report a Concern" Online Form	Online form available.	Completed for 2017.
Public Education & Outreach	Utility Bill Flyers	Distribute twice per year in 2016 and after.	Completed for 2017.
Public Education & Outreach	Complaint Hotline	Phone line operating.	Completed for 2017.
Public Education & Outreach	Storm Drain Placarding	Install placards.	Completed in 2017.
Public Education & Outreach	Public Involvement in SWMP Development	Facilitate involvement.	Completed in May 2014.
Public Education & Outreach	Lobby Slide Show	Prepare slide show.	Updated in 2017.
Public Education & Outreach	Educational Content on City Website and Facebook Page	Complete pages and update twice per year.	Completed for 2017.
Public Education & Outreach	Stormwater Quality Give-A-Ways	Print or purchase up to 500 items annually and record distributed amount.	Completed for 2017.
Public Education & Outreach	Social Media Posts	Publish and "blast" two articles per year.	Completed for 2017.
Public Education & Outreach	Identify Target Audiences for Public Education and Outreach Program	Complete activity.	Completed in 2015.
Public Education & Outreach	Identify Goals and Objectives for Public Education and Outreach Program	Complete activity.	Completed in 2015.
Illicit Discharge Detection and Elimination	Consolidated Recycling Day	See prior response.	See prior response.
Illicit Discharge Detection and Elimination	Litter Abatement	Maintain log of activities.	Completed for 2017.
Illicit Discharge Detection and Elimination	Nuisance Abatement	Maintain log of activities.	Completed for 2017.
Illicit Discharge Detection and Elimination	Storm Sewer Map	Develop map and update once per year.	Completed for 2017.
Illicit Discharge Detection and Elimination	Complaint Hotline	See prior response.	See prior response.
Illicit Discharge Detection and Elimination	"Report a Concern" Online Form	See prior response.	See prior response.
Illicit Discharge Detection and Elimination	Storm Drain Placarding	See prior response.	See prior response.

MCM(s)	BMP	Measurable Goals	Status
Illicit Discharge Detection and Elimination	Promote Harris County HHW Collection Facility	Print and Distribute flyers to public.	Completed for 2017.
Illicit Discharge Detection and Elimination	Mitigate Illegal Dumping	Develop procedures, maintain log of found sites and abated sites.	Completed in 2015, maintained.
Illicit Discharge Detection and Elimination	Detect Illicit Discharge Locations	Conduct ad-hoc inspections and maintain log of detected discharges and follow up actions.	Scheduled for initiation in 2018.
Illicit Discharge Detection and Elimination	Illicit Discharge Program Procedures	Complete activity.	Completed in 2017
Illicit Discharge Detection and Elimination	Illicit Discharge Investigation, Elimination, and Enforcement	Complete activity.	Initiate enforcement within six weeks of finding discharge.
Illicit Discharge Detection and Elimination	Social Media Posts	See prior response.	See prior response.
Illicit Discharge Detection and Elimination	Employee Training	Complete activity.	Completed for 2017.
Illicit Discharge Detection and Elimination	Illicit Discharge Ordinance	Complete activity.	Completed in 2017.
Construction Site Runoff	Erosion and Sediment Control Ordinance	Complete activity.	Completed in 2017.
Construction Site Runoff	Construction Site Design Requirements	Complete activity.	Completed in 2017.
Construction Site Runoff	Construction Site Plan Review and Approval Procedures	Maintain log of plans reviewed.	Procedured completed in 2017. Plan reviews to start in 2018.
Construction Site Runoff	"Report a Concern" Online Form	See prior response.	See prior response.
Construction Site Runoff	Complaint Hotline	See prior response.	See prior response.
Construction Site Runoff	Construction Site Inspections and Enforcement	Complete activity.	Procedured completed in 2017. Plan reviews to start in 2018.
Construction Site Runoff	Employee Training	See prior response.	See prior response.
Post-Construction Runoff Controls	Detention Pond Maintenance	Continue existing BMP.	Completed for 2016.
Post-Construction Runoff Controls	Permanent Stormwater Quality Ordinance	Complete activity.	Completed in 2017.
Post-Construction Runoff Controls	Revise/adopt Design Criteria	Complete activity.	Completed in 2017.
Post-Construction Runoff Controls	Plan Review and Approval Procedures for Permanent Stormwater Quality BMPs	Maintain log of plans reviewed.	Initiate in 2018.

MCM(s)	BMP	Measurable Goals	Status
Post-Construction Runoff Controls	Inspections and Long-Term O&M of Permanent Stormwater Quality BMPs for City-owned facilities	Maintain log of sites inspected.	Initiate in 2018.
Post-Construction Runoff Controls	Inspections and Long-Term O&M of Permanent Stormwater Quality BMP for Third Party Owner/Operators	Maintain log of sites inspected.	Initiate in 2018.
Pollution Prevention / Good Housekeeping	Pesticide/Herbicide Management	Track certificates annually.	Ongoing.
Pollution Prevention / Good Housekeeping	Disposal of Waste Material	Maintain log of waste disposal actions.	Ongoing.
Pollution Prevention / Good Housekeeping	Street Sweeping	Maintain log of areas swept.	Ongoing.
Pollution Prevention / Good Housekeeping	Spill Response Kits	Document audit results.	Completed for 2017.
Pollution Prevention / Good Housekeeping	O&M Employee Training	Document training dates, subjects, and attendees.	Ongoing.
Pollution Prevention / Good Housekeeping	Good Housekeeping SOP Manual	Develop manual, train staff, implement procedures, and audit use.	Completed for 2017.
Pollution Prevention / Good Housekeeping	O&M at City Facilities	Inspect facilities and record findings.	Ongoing.
Pollution Prevention / Good Housekeeping	Maintenance Contractor Requirements and Oversight	Develop and use new contract language addressing stormwater in new contracts.	Completed for 2017.
Pollution Prevention / Good Housekeeping	Assessment of City Facilities and Operations	Complete activity and write report.	Completed for 2017.
Pollution Prevention / Good Housekeeping	Identify Pollutants of Concern at City Facilities	Complete activity and write report.	Completed for 2017.
Pollution Prevention / Good Housekeeping	Develop Pollution Prevention Measures for City Facilities	Complete activity.	Completed for 2017.
Pollution Prevention / Good Housekeeping	Inspect City Facilities	Complete activity.	Completed for 2017.
Pollution Prevention / Good Housekeeping	Maintain Structural Controls and City Owned Facilities	Complete activity.	Ongoing.
Pollution Prevention / Good Housekeeping	City-Owned Facilities and Control Inventory	Complete activity.	Completed for 2017.

C. Stormwater Data Summary

Indicate whether the MS4 has conducted monitoring of stormwater quality, including analytical data and visual observations. Provide a summary of the results of information collected and analyzed during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

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 in the worksheets any activities taken to address the discharge to impaired waterbodies, including any in-stream or outfall sampling results or other available data (include the source of the data) and a summary of the small MS4's BMPs used to address the pollutant of concern. Data may be acquired from TCEQ, local river authorities, partnerships, and/or other local efforts as appropriate:

Actions taken to address the discharge to impaired waterbodies in Permit Year 4 (2017) included the following scheduled Focused BMP activities:

- *Developed map of sanitary sewer system age and overflow locations;*
- *Developed sanitary sewer system evaluation process;*
- *Trained employees to identify and report overflows;*
- *Distributed public education materials to inform the public about how to identify and report overflows;*
- *Updated sewer use ordinance to address fats, oils, grease, rags, and disposal wipes;*
- *Inspected septic system priority areas;*
- *Inspected 39 stormwater outfalls for potential illicit discharges in creeks and waterways in impaired watersheds;*
- *Researched animal waste source locations in the city and found none; and,*
- *Developed and adopted a pet waste management regulation.*

2. Indicate information about implementing targeted controls.

Please note that these responses are based upon the approved SWMP which utilized a "binary" form of benchmark value. Compliance discussions with Rebecca Villalba, Jessica Alcoser, and Lindsay Garza in May 2017 confirmed this approach for only this current five year permit cycle.

Pollutant	Focused BMP	Implementation Activities	Benchmark	Status To Date
Bacteria	Address Sanitary Sewer System and Lift Station Conditions	Develop map, develop evaluation process, evaluate system, and identify improvements.	Complete activities on time.	On schedule.
Bacteria	Improve Sanitary Sewer System Leaks and Overflow Reporting	Train employees, educate residents, and publicize reporting mechanisms.	Complete activities on time.	On schedule.
Bacteria	Improve Collection System Protections and Public Education	Update sewer use ordinance, develop public educational program, and distribute materials.	Complete activities on time.	On schedule.
Bacteria	Address Onsite Sewage Facilities	Develop map, identify priority areas, inspect areas, encourage or force repairs.	Complete activities on time.	On schedule.

Pollutant	Focused BMP	Implementation Activities	Benchmark	Status To Date
Bacteria	Illicit Discharges and Dumping	Inspect creeks and drainage ways, investigate found discharges, eliminate discharges, and clean up dumping sites.	Complete activities on time.	On schedule.
Bacteria	Identify and Address Significant Animal Sources	Develop map, evaluate facilities, evaluate legal authority, seek voluntary cooperation, and take enforcement actions.	Complete activities on time.	On schedule.
Bacteria	Residential Education About Bacteria Loadings	Include bacteria issues in Public Education & Outreach program.	Complete activities on time.	On schedule.
Bacteria	Pet Waste Management Regulation	Develop regulation/ordinance, adopt ordinance, and implement.	Complete activities on time.	On schedule.
Bacteria	Grease and Grit Trap Ordinance	Develop list of grease and grit trap sites, collect disposal manifests for review, and take enforcement action as appropriate.	Complete activities on time.	On schedule.
Bacteria	Sanitary Sewer Overflow Mitigation Program	Update sanitary sewer map, develop list of replacement or repair projects, and approve budget for work.	Complete activities on time.	On schedule.

3. Report the benchmark and assessment activities. Annual reports should include the benchmark and the year(s) during the permit term that the MS4 conducted additional sampling or other assessment activities.

Please note that these responses are based upon the approved SWMP which utilized a "binary" form of benchmark value. Compliance discussions with Rebecca Villalba, Jessica Alcoser, and Lindsay Garza in May 2017 confirmed this approach.

Benchmark Parameter	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
Bacteria	Complete activities on time.	Develop map, develop evaluation process, evaluate system, and identify improvements.	2016, 2017
Bacteria	Complete activities on time.	Train employees, educate residents, and publicize reporting mechanisms.	2017
Bacteria	Complete activities on time.	Update sewer use ordinance, develop public educational program, and distribute materials.	2017
Bacteria	Complete activities on time.	Develop map, identify priority areas, inspect areas, encourage or force repairs.	2016, 2017
Bacteria	Complete activities on time.	Inspect creeks and drainage ways, investigate found discharges, eliminate discharges, and clean up dumping sites.	2016, 2017
Bacteria	Complete activities on time.	Develop map, evaluate facilities, evaluate legal authority, seek voluntary cooperation, and take enforcement actions.	2016, 2017
Bacteria	Complete activities on time.	Include bacteria issues in Public Education & Outreach program.	2015, 2016, 2017

Benchmark Parameter	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
Bacteria	Complete activities on time.	Develop regulation/ordinance, adopt ordinance, and implement.	2017
Bacteria	Complete activities on time.	Develop list of grease and grit trap sites, collect disposal manifests for review, and take enforcement action as appropriate.	2017
Bacteria	Complete activities on time.	Update sanitary sewer map, develop list of replacement or repair projects, and approve budget for work.	2016, 2017

4. Add an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark.

Please note that these responses are based upon the approved SWMP which utilized a “binary” form of benchmark value. Compliance discussions with Rebecca Villalba, Jessica Alcoser, and Lindsay Garza in May 2017 confirmed this approach.

Benchmark Parameter	Focused BMP	Contribution to Achieving Load Reduction
Bacteria	Address Sanitary Sewer System and Lift Station Conditions	Reducing sanitary sewer overflows will directly reduce bacteria loadings.
Bacteria	Improve Sanitary Sewer System Leaks and Overflow Reporting	Improved reporting will help identify problem areas and guide to mitigation efforts to reduce bacteria loadings.
Bacteria	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.
Bacteria	Address Onsite Sewage Facilities	Addressing septic systems will reduce bacteria loadings.
Bacteria	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.
Bacteria	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.
Bacteria	Residential Education About Bacteria Loadings	Educating citizens about bacteria pollution issues will help reduce bacteria loadings.
Bacteria	Pet Waste Management Regulation	A pet waste ordinance will help reduce bacteria loadings.
Bacteria	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.
Bacteria	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. Include focused BMPs to address impairment for bacteria. If the impairment is for bacteria refer to Part II.D.4. (5) of General Permit TXR040000.

See prior responses.

6. Assess progress in achieving the benchmark.

Benchmark Indicator	Description/Comments
Complete each associated activity on time.	Scheduled activities are tracked against the schedule defined in the SWMP. All activities scheduled for completion or program initiation in 2017 were completed as scheduled.

E. Stormwater Activities (Part IV Section B.2.(d))

Describe any stormwater activities the MS4 operator has planned for the next reporting year. Use the table or attach a summary, as appropriate:

MCM(s)	BMP	Activities Planned for Calendar 2018
Public Education & Outreach	Spring Cleanup Week	Conduct once in permit year.
Public Education & Outreach	Consolidated Recycling Day	Conduct once in permit year.
Public Education & Outreach	Legal Public Notice	Conduct as needed.
Public Education & Outreach	"Report a Concern" Online Form	Continue to operate in permit year.
Public Education & Outreach	Utility Bill Flyers	Design and Distribute twice in permit year.
Public Education & Outreach	Complaint Hotline	Continue to operate in permit year.
Public Education & Outreach	Educational Content on City Website and Facebook Page	Update twice in permit year.
Public Education & Outreach	Stormwater Quality Give-A-Ways	Distribute Give-a-ways
Public Education & Outreach	Social Media Posts	Post two articles in permit year.
Illicit Discharge Detection and Elimination	Consolidated Recycling Day	See prior response.
Illicit Discharge Detection and Elimination	Litter Abatement	Maintain log of identified and mitigated sites.
Illicit Discharge Detection and Elimination	Nuisance Abatement	Maintain log of identified and mitigated sites.
Illicit Discharge Detection and Elimination	Storm Sewer Map	Update map once.
Illicit Discharge Detection and Elimination	Complaint Hotline	See prior response.
Illicit Discharge Detection and Elimination	"Report a Concern" Online Form	See prior response.
Illicit Discharge Detection and Elimination	Storm Drain Placarding	See prior response.
Illicit Discharge Detection and Elimination	Promote Harris County HHW Collection Facility	Conduct once in permit year.
Illicit Discharge Detection and Elimination	Mitigate Illegal Dumping	Maintain log of identified and mitigated sites.
Illicit Discharge Detection and Elimination	Detect Illicit Discharge Locations	Maintain log of identified and eliminated discharges.
Illicit Discharge Detection and Elimination	Illicit Discharge Investigation, Elimination, and Enforcement	Conduct as needed.

MCM(s)	BMP	Activities Planned for Calendar 2018
Illicit Discharge Detection and Elimination	Social Media Posts	See prior response.
Illicit Discharge Detection and Elimination	Employee Training	Conduct once in permit year.
Construction Site Runoff	Construction Site Plan Review and Approval Procedures	Continue implementation of existing program.
Construction Site Runoff	"Report a Concern" Online Form	See prior response.
Construction Site Runoff	Complaint Hotline	See prior response.
Construction Site Runoff	Employee Training	See prior response.
Post-Construction Runoff Controls	Detention Pond Maintenance	Continue implementation of existing program.
Pollution Prevention / Good Housekeeping	Pesticide/Herbicide Management	Update applicator license and file once in permit year.
Pollution Prevention / Good Housekeeping	Disposal of Waste Material	Continue to properly manage wastes.
Pollution Prevention / Good Housekeeping	Street Sweeping	Continue to sweep major thoroughfares six times per year and other roads four times per year.
Pollution Prevention / Good Housekeeping	Spill Response Kits	Conduct annual audit.
Pollution Prevention / Good Housekeeping	O&M Employee Training	See prior response.
Pollution Prevention / Good Housekeeping	Good Housekeeping SOP Manual	Train staff.
Pollution Prevention / Good Housekeeping	Maintenance Contractor Requirements and Oversight	Utilize new language in all contracts
Pollution Prevention / Good Housekeeping	Good Housekeeping SOP Manual	Implement in all operations and maintenance activities at City owned facilities and conducted in the County.
Pollution Prevention / Good Housekeeping	Inspect City Facilities	Conduct inspections.
Focused BMPs (Bacteria)	Improve Sanitary Sewer System Leaks and Overflow Reporting	Train employees, educate residents with material, publicize reporting mechanisms and document reports.
Focused BMPs (Bacteria)	Improve Collection System Protections and Public Education	Implement education program to address FOGS
Focused BMPs (Bacteria)	Grease and Grit Trap Ordinance	Ongoing.
Focused BMPs (Bacteria)	Sanitary Sewer Overflow Mitigation Program	Ongoing.

F. SWMP Modifications and Additional Information

- 1. If changes have been made or are proposed to the SWMP, those modifications must be addressed in the annual report as required in Part IV Section B.2 of the permit. If the TCEQ has notified you in writing that changes to the SWMP are necessary, those changes must be included in the report. Be sure to provide the following information in the explanation (See Example 4 – SWMP Modifications):**

- i. Describe changes made to or proposed for the SWMP during the reporting year, including changes to BMPs, measurable goals, dates, contacts, procedures or details during the permit year.

None.

- ii. 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.

Not applicable.

G. Additional BMPs

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)
<i>None proposed.</i>			

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

- 1. Indicate if the MS4 is relying on another entity to satisfy some of the permit obligations. Include the name of the other entity and an explanation of the elements of the SWMP that the entity is responsible for implementing. A description of the agreement or written documentation of the agreement must be included in the SWMP.

No.

- 2. If permittees share a common SWMP, list all associated authorization numbers, permittee names, and SWMP responsibilities of each permittee. Add more spaces or pages if needed.

Not applicable.

- 3. Indicate if this is a system-wide annual report including information for all permittees. If "Yes," all represented permittees must sign the report in accordance with signatory requirements. The regulation governing who may sign an application form is at 30 Texas Administrative Code (TAC) §305.128.

No.

I. Construction Activities

- 1. The number of construction projects in the jurisdiction of the MS4 where the permittee was not the construction site operator (as provided in submittals to the MS4 operator via notices of intent or site notices)

0

- 2. Does the permittee utilize the seventh MCM related to construction? To answer "Yes," this must have been requested on the Notice of Intent (NOI) or on an NOC and approved by the TCEQ. If "Yes," then provide information about the number of municipal construction activities authorized under this general permit during the reporting period and the total number of acres disturbed for municipal construction projects.

No.

J. Certification

The annual report must be signed by a principal executive officer or ranking elected official, or by a duly authorized representative as referenced in 30 TAC §305.128. The Delegation of Signatories to Reports (TCEQ Form 20403) can be located by visiting TCEQ's < FORMS > Web page and entering the form number. For shared SWMPs, it would be acceptable to submit separate signature pages for each operator participating in the shared SWMP along with one copy of the system-wide annual report. All certification page must an original, wet ink signature. Photocopies, scanned pages, and electronic signatures cannot be accepted.

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: 3/29/18

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).*

