



Engineering Department  
500 West Walker  
League City, TX 77573

Main: 281.554-1445  
Direct: 281.554.1480  
Fax: 281.554-1460

[www.leaguecity.com](http://www.leaguecity.com)

February 27, 2020

Texas Commission of Environmental Quality  
Stormwater Team Leader (MC-148)  
P.O. Box 13087  
Austin, TX 78711-3087

Re: Phase II MS4 Annual Report Transmittal for City of League City and G.C.M.U.D.'s 43, 44, 45, and 46.

TPDES Authorization: League City TXR040-249, G.C.M.U.D. 43 TXR040552, G.C.M.U.D. 44 TXR040553, G.C.M.U.D. 45 TXR040554, G.C.M.U.D. 46 TXR040555

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number: TXR040249 for the City of League City, TXR040552 G.C.M.U.D. 43, TXR040553 G.C.M.U.D. 44, TXR040554 G.C.M.U.D. 45, TXR040555 G.C.M.U.D. 46.

The annual report is for year 1. The reporting periods began on 12/13/18 and ended on 12/31/19.

A separate Notice of Change has not been submitted since changes have not been proposed for the next permit year. As required by the general permit, a copy of the report has been mailed to the TCEQ's regional office 12 in Houston, Texas.

Sincerely,

Alex Noel, CFM, CESCO  
Floodplain/Stormwater  
Management Coordinator

cc: Christopher Sims

# Phase II (Small) MS4 Annual Report Form

**TPDES General Permit Number TXR040000**

## **A. General Information**

Authorization Number: TXR040249

Reporting Year: 1

Calendar Year: 2019

Permit Year: N/A

Fiscal Year: N/A

Reporting period beginning date: 12/13/2018

Reporting period end date: 12/31/2019

MS4 Operator Level: Phase II Level 3 Name of MS4: City of League City

Contact Name: Christopher Sims Telephone Number: 281-554-1445

Mailing Address: 500 W Walker St, League City, TX 77573

E-mail Address: Christopher.sims@leaguecitytx.gov

A copy of the annual report was submitted to the TCEQ Region: YES

Region the annual report was submitted to: TCEQ Region: YES

## 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		We are not aware of any violations.
Permittee is currently in compliance with recordkeeping and reporting requirements.	Yes		We are not aware of any violations.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	Yes		We are not aware of any violations.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	Yes		We have conducted a review of the SWMP in conjunction with preparation of the annual report and found no changes that needed to be made at this time.

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

MCM1		PUBLIC EDUCATION, OUTREACH & INVOLVEMENT
MCM1	BMP No 1: Storm Water Educational Outreach	Yes: Education is fundamental to understanding the types and impacts of pollutants and the public/private partnership toward prevention.
MCM1	BMP No 2: Education and Outreach for Commercial Activities	Yes: Education is fundamental to understanding the types and impacts of pollutants and the public/private partnership toward prevention.

MCM1	BMP No 3: Municipal Cable Television Channel (LCTV16)	Yes: Local information broadcasts increase community awareness of pollution concerns, prevention, and abatement.
MCM1	BMP No 4: Website Hosting	Yes: A website search link provides local community access to informational documents related to pollution prevention and abatement.
MCM1	BMP No 5: Social Media Outreach	Yes: Social Media broadcasts provide information on opportunities for local community participation in pollution abatement activities.
MCM1	BMP No 6: Storm Drain Marking	Yes: The information on the markers increases public awareness of the adverse impact of illicit dumping.
MCM1	BMP No 7: Adopt-A-Stream program	Yes: Local participation increases understanding of local storm water pollution issues and hands on solutions.
MCM1	BMP No 8: Community Contact	Yes: Local community contact increases awareness and participation of storm water pollution prevention.
MCM1	BMP No 9: Grease Trap program	Yes: A properly managed program fat, oil and grease (FOG) influences behavior to reduce and mitigate illicit discharges.
MCM1	BMP No 10: Lawn and Garden Activities	Yes: Informing the community influences behavior to reduce and mitigate illicit discharges.
MCM1	BMP No 11: Recycling program	Yes: A properly managed recycling program significantly reduces potential illicit discharges.
MCM1	BMP No 12: Pet waste Control	Yes: Informing pet owners of the adverse effects of pet waste and available management devices influences behavior to reduce illicit discharges of bacteria.

MCM1	BMP No 13: Watershed BMP Networking	Yes: Watershed networking provides information as to what BMPs have proven successful or not.
<b>MCM2                    ILLICIT DISCHARGE DETENTION &amp; ELIMINATION</b>		
MCM2	BMP No 1: Storm Sewer Mapping	Yes: Proper training allows faster identification, tracking, containment and mitigation of illicit discharges.
MCM2	BMP No 2: Field Staff Training	Yes: Proper training allows faster identification, tracking, containment and mitigation of illicit discharges.
MCM2	BMP No 3: Public Reporting of Illicit Discharges and Spills	Yes: Public reporting allows faster identification, tracking, containment and mitigation of illicit discharges.
MCM2	BMP No 4: On-Site Sewage Facilities	Yes: Public education and reporting is essential to effective prevention and faster mitigation of illicit discharges.
MCM2	BMP No 5: Illicit Discharge Ordinance	Yes: A comprehensive, understandable, and enforceable ordinance is essential to effective prevention and faster mitigation of illicit discharges.
MCM2	BMP No 6: Illicit Discharge Detection and Elimination Program	Yes: A comprehensive and enforceable program is essential to effective prevention and faster mitigation of illicit discharges.
<b>MCM3                    CONSTRUCTION SITE STORM WATER RUNOFF CONTROLS</b>		
MCM3	BMP No 1: Construction Site Storm Water Runoff Control and Waste Control	Yes: A comprehensive, understandable, and enforceable ordinance is essential for effective prevention and faster mitigation of illicit discharges.

MCM3	BMP No 2: Site Plan Review Process	Yes: A comprehensive site plan review process is essential for effective prevention and faster mitigation of illicit discharges.
MCM3	BMP No 3: Construction Site Inspection Program	Yes: A comprehensive and enforceable site inspection program is essential for effective prevention and mitigation of illicit discharges.
MCM3	BMP No 4: Construction Site Inventory	Yes: A construction site inventory tracking program is an essential management tool for effective prevention and mitigation of illicit discharges.
MCM3	BMP No 5: Information Submitted by the Public	Yes: Public information provides faster response and mitigation of illicit discharges.
MCM3	BMP No 6: Staff Training	Yes: A properly managed training program is essential for effective prevention and faster mitigation of illicit discharges.
<b>MCM4 POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT</b>		
MCM4	BMP No 1: Post-Construction Ordinance	Yes: A comprehensive, understandable, and enforceable ordinance is essential for better prevention and faster mitigation of illicit discharges.
MCM4	BMP No 2: Post-Construction Site Inspection	Yes: A comprehensive and enforceable site inspection program is essential for better prevention and faster mitigation of illicit discharges.
MCM4	BMP No 3: Post-Construction Development Review Procedures	Yes: A comprehensive site plan review process provides for better prevention and faster mitigation of illicit discharges.
MCM4	BMP No 4: Long-Term Operation and Maintenance Program	Yes: A comprehensive and enforceable operation and maintenance plan is essential for better prevention and faster mitigation of illicit discharges.

**MCM5 POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

MCM5	BMP No 1: Inventory of Permittee Owned Facilities and Controls	Yes: A comprehensive inventory tracking program provides for better prevention and faster mitigation of illicit discharges.
MCM5	BMP No 2: Training Program for Municipal Employees	Yes: A properly managed training program provides for better prevention and faster mitigation of illicit discharges.
MCM5	BMP No 3: Waste Storage and Disposal Programs	Yes: A properly managed waste storage and disposal program provides for better prevention and faster mitigation of illicit discharges.
MCM5	BMP No 4: Contractor Requirements and Oversight	Yes: A properly managed Construction Site program provides for better prevention and faster mitigation of illicit discharges.
MCM5	BMP No 5: Operations and Maintenance Program	Yes: A properly manage O&M program provides for better prevention and faster mitigation of illicit discharge.
MCM5	BMP No 6: Structural Control Maintenance	Yes: A properly manage O&M program provides for better prevention and faster mitigation of illicit discharge
MCM5	BMP No 7: Operation and Maintenance Program to Reduce Discharges of Pollutants from Roads	Yes: A properly manage O&M program provides for better prevention and faster mitigation of illicit discharge.
MCM5	BMP No 8: Mapping of Facilities	Yes: A properly manage mapping system provides for better prevention and faster mitigation of illicit discharge.

MCM5	BMP No 9: Municipal Operations and Facility Survey	Yes: A properly manage facility inventory provides for better prevention and faster mitigation of illicit discharge.
MCM5	BMP No 10: Facility Inspection Program	Yes: A properly manage inspection program provides for better prevention and faster mitigation of illicit discharge.
MCM5	BMP No 11: Mowing/Maintenance of District-Owned Ponds	Yes: A properly manage O&M m provides for better prevention and faster mitigation of illicit discharge.

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 (**see Example 2 in instructions**):

<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>
<b>MCM1 PUBLIC EDUCATION, OUTREACH &amp; INVOLEMENT</b>					
1	1	Pamphlets distribution	1	PROGRAM	No: Benefits are indirect.
1	2	Education/Outreach for Commercial Activities	1	PROGRAM	No: Benefits are indirect.
1	3	Municipal Cable Television Channel (LCTV16)	2	PROGRAMS (AIRTIME)	No: Benefits are indirect.



1	4	Website Hosting	1	PROGRAM (WEBSITE)	No: Benefits are indirect.
1	5	Social Media	3	TYPE (FB, INSTAGRAM, TWITTER)	No: Benefits are indirect.
1	6	Storm Drain Marking	2	PROGRAM	No: Benefits are indirect.
1	7	Community Contact	1	PROGRAM	No: Benefits are indirect.
1	8	Grease Trap	1	PROGRAM	Yes: Benefits are direct.
1	9	Lawn & Garden	1	PROGRAM	No: Benefits are indirect.
1	10	Recycling	1	PROGRAM	No: Benefits are indirect.
1	11	Pet Waste Control	1	PROGRAM	No: Benefits are indirect.
1	12	Watershed BMP Networking	4	COMMITTEE	No: Benefits are indirect.
<b>MCM 2 ILLICIT DISCHARGE DETECTION &amp; ELIMINATION</b>					
2	1	Storm Sewer Mapping	1	DEPT BMP	No: Provides for better prevention and faster mitigation.
2	2	Field Staff Training	13	DEPT BMP	No: Provides for better prevention and faster mitigation.
2	3	Public Report of Illicit Discharges	1	DEPT BMP	No: Benefits are indirect.
2	4	On-Site Sewage Facilities	1	DEPT BMP	Yes: Provides for better prevention and faster mitigation.

2	5	Illicit Discharge Ordinance	1	DEPT BMP	No: Benefits are indirect by providing for better prevention and faster mitigation.
2	6	Illicit Discharge Detection and Elimination Program	13	DEPT BMP	Yes: Provides for a better prevention and faster mitigation.
<b>MCM3 CONSTRUCTION SITE STORMWATER RUNOFF CONTROLS</b>					
3	1	Construction Site Stormwater Runoff Control and Waste Control Ordinance	1	DEPT BMP	Yes: Provides for a better prevention and faster mitigation.
3	2	Site Plan Review Process	2	DEPT BMP	Yes: Provides for a better prevention and faster mitigation.
3	3	Construction Site Inspection Program	4	DEPT BMP	Yes: Provides for a better prevention and faster mitigation.
3	4	Construction Site Inventory	1	DEPT BMP	Yes: Provides physical review for better prevention and faster mitigation.
3	5	Information Submitted by Public	1	DEPT BMP	Yes: Provides physical review for better prevention and faster mitigation.
3	6	Staff Training	4	DEPT BMP	Yes: Provides for a better prevention and faster mitigation.

**MCM4 POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**

4	1	Post-Construction Ordinance	1	DEPT BMP	No: Provides for better prevention and faster mitigation.
4	2	Post-Construction Site Inspection	1	DEPT BMP	Yes: Provides for better prevention and faster mitigation during construction and the post inspection for maintenance.
4	3	Post-Construction Development Review Procedures	2	DEPT BMP	No: Provides plan review for better prevention and faster mitigation.
4	4	Long-Term Operation and Maintenance Program	2	DEPT BMP	Yes: Provides for better prevention and faster mitigation.

**MCM5 POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

5	1	Inventory of permittee Owned Facilities and Controls	1	DEPT BMP	Yes: Provides for better prevention and faster mitigation.
5	2	Training Program for Municipal Employees	40	DEPT BMP	No: Provides for better prevention and faster mitigation.
5	3	Waste Storage and Disposal Programs	40	DEPT BMP	Yes: Provides for better prevention and faster mitigation.

5	4	Contractor Requirements and Oversight	5	DEPT BMP	Yes: Provides for better prevention and faster mitigation.
5	5	Operations and Maintenance Program	40	DEPT BMP	Yes: Provides for better prevention and faster mitigation.
5	6	Structural Control Maintenance	2	DEPT BMP	Yes: Provides for better prevention and faster mitigation.
5	7	O & M Program to reduce discharge of pollutants from roads	2	DEPT BMP	Yes: Provides for better prevention and faster mitigation.
5	8	Mapping of Facilities	1	DEPT BMP	No: Provides for better prevention and faster mitigation.
5	9	Municipal Operations and Facility Survey	1	DEPT BMP	No: Provides for better prevention and faster mitigation.
5	10	Facility Inspection Program	1	DEPT BMP	Yes: Provides for better prevention and faster mitigation.
5	11	Mowing & Maintenance of District-Owned Ponds	4	DEPT BMP	Yes: Provides for better prevention and faster mitigation.

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**):

<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 BMP 1	Pamphlet Distribution	Achieved: Five TPDES related pamphlets are maintained in four City facilities locations. The City participates in the Harris County Infrastructure Department's TPDES Outreach Program.
1 BMP 2	Commercial Outreach	Achieved: Public Works provided TPDES pre-treatment information during plan reviews. The City participates in the Harris County Infrastructure Department's TPDES Outreach Program.
1 BMP 3	Cable TV	Achieved: Communications Office provides local air-time slots and the City participates in the Harris County Infrastructure Department's TPDES Outreach Program
1 BMP 4	Website Hosting	Achieved: Communications Office provides web search capability from the City's Website.
1 BMP 5	Social Media	Achieved: Communications Office provides notices via Facebook, Website, Twitter, etc. of TPDES related meeting.
1 BMP 6	Storm Drain Marking	Achieved: TPDES Inlet Markers are installed on all new and repaired inlets.
1 BMP 7	Community Contact	Achieved: Facilities Rental hosted two TPDES related Public meetings.
1 BMP 8	Grease Trap	Achieved: Public Works promotes FOG BMPs during plan reviews and administers a FOG management program.
1 BMP 9	Lawn & Garden	Achieved: Parks promotes TPDES BMPs in City hosted Public Outreach programs.
1 BMP 10	Recycling	Achieved: Solid Waste Management Contractor promotes TPDES BMPs in City recycling program.

1 BMP 11	Pet Waste Control	Achieved: Parks along with Animal Control promotes TPDES BMPs at City hosted Public Outreach programs.
1 BMP 12	Watershed BMP Networking	Achieved: Engineering, Public Works, and Planning promotes TPDES BMPs in workgroup meetings.
2 BMP 1	Storm Sewer Mapping	Achieved: GIS populates shape files with new outfalls, pipes, manholes, detention ponds, etc.
2 BMP 2	Field Staff Training	Achieved: All Departments provide SOP/TPDES BMP training to new and existing staff.
2 BMP 3	Public Report of Illicit Discharges	Achieved: Communications Office receives, and Staff resolves Public reports in a timely manner.
2 BMP 4	On-Site Sewage Facilities	Achieved: Public Works administered two County Service Contracts.
2 BMP 5	Illicit Discharge Ordinance	Achieved: Engineering manages ordinance revision as needed.
2 BMP 6	Illicit Discharge and Elimination Program	Achieved: Public Works participates in an SSOI program for reduction of illicit discharges.
3 BMP 1	Construction Site Stormwater Runoff and Waste Control Ordinances	Achieved: Engineering manages ordinance revision as needed.
3 BMP 2	Site Plan Review Process	Achieved: Engineering manages TPDES requirements in site review.
3 BMP 3	Construction Site Inspection Program	Achieved: Project Management, Building and Engineering manages respective construction inspection programs.
3 BMP 4	Construction Site Inventory	Achieved: Building and Engineering manages respective databases.

3 BMP 5	Information Submitted by Public	Achieved: Communications Office receives, and tracks reports and responds to the Public.
3 BMP 6	Staff Training	Achieved: All Departments manages respective SOP/TPDES training of new and existing Staff.
4 BMP 1	Post—Construction Ordinance	Achieved: Engineering manages ordinance revision as needed.
4 BMP 2	Post-Construction Site Inspection Program	Achieved: Engineering manages the tracking and inspection program.
4 BMP 3	Post-Construction Development Review Procedure	Achieved: Engineering manages procedure revisions as needed.
4 BMP 4	Long-Term Operation and Maintenance Program	Achieved: All Departments manages their respective SOP O&M programs.
5 BMP 1	Inventory of Permittee Owned Facilities and Controls	Achieved: Engineering manages the tracking database.
5 BMP 2	Training Program for Municipal Employees	Achieved: All Departments manages their respective SOP/TPDES Staff training.
5 BMP 3	Waste Storage and Disposal Programs	Achieved: All Departments manages their respective SOP/TPDES programs.

5 BMP 4	Contractor Requirement and Oversight	Achieved: All Departments provide contractor oversight on respective contracts.
5 BMP 5	Operations and Maintenance Program	Achieved: All Departments manages their respective SOP/TPDES O&M Programs.
5 BMP 6	Achieved: All Departments manages their respective SOP/TPDES O&M Programs.	Achieved: Drainage performed structural control O&Ms and reconstructed 3 failed outfall structures.
5 BMP 7	O&M Program to Reduce Discharge of Pollutants from Roads	Achieved: Public Works-Street swept 2288 lane miles of streets and removed 225 tons of materials.
5 BMP 8	Mapping of Facilities	Achieved: GIS populates shape files by adding new and revised sites annually.
5 BMP 9	Municipal Operations and Facility Survey	Achieved: Inventory maintained.
5 BMP 10	Facility Inspection Program	Achieved: All Departments inspect assigned facilities.
5 BMP 11	Mowing & Maintenance of District-Owned Ponds	Achieved: Mowing and maintenance programs are in place and managed successfully.



## 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.?

## 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.

Clear Creek Tidal Unit 1101, Bacteria, dioxin, and PCB

Clear Creek Tidal Unit 1102, Bacteria, dioxin, and PCB

Robinson Bayou Unit 1101D, Bacteria

Jarbo Bayou Unit 2425A, Bacteria

Dickinson Bayou Tidal Unit 1103, Bacteria, DO, dioxin, and PCB

Dickinson Bayou above Tidal Unit 1104, Bacteria, DO, dioxin, and PCB

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

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

In 2015, the City partnered with H-GAC's Bacteria Implementation Group (BIG) and continue to sample the streams within our city limits.

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

<b>Benchmark Parameter</b> <i>(Ex: Total Suspended Solids)</i>	<b>Benchmark Value</b>	<b>Description of additional sampling or other assessment activities</b>	<b>Year(s) conducted</b>
Clear Creek			
1101A ENT	>35cts/100ml & or 89cts/100ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1101B ENT	>35cts/100ml & or 89cts/100ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1101B EC	>126cts/100ml & or 394cts/100ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1101D ENT	>35cts/100ml & or 89cts/100ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1102 EC	>126cts/100ml & or 394cts/100ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005

1102A EC	>126cts/100ml & or 394cts/100ml 25% time	None by City, worked with H—GAC' BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1102A ENT	>35cts/100ml & or 89cts/100ml 25% time	None by City, worked with H-GAC's BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1102B EC	>126cts/100ml & or 394cts/100ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1102C EC	>126cts/100ml & or 394cts/100ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1102D FC	>200cts/100ml & or 400cts/100ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1102E FC	>200cts/100ml & or 400cts/ml 25% time	None by City, worked with H-GAC'S BIG. Added GCHD sampling in Oct 2015	1970 and 2005
Robinson Bayou			
1101D 01 ENT	>35cts/100ml & or 89cts/100ml 25% time	None by City, worked with H-GAC' BIG. Added GCHD sampling in Oct 2015	1970 and 2005
1101D 02 ENT	>35cts/100ml & or 89cts/100ml 25% time	None by City, worked with H-GAC' BIG Added GCHD sampling in Oct 2015	1970 and 2005

Jarbo Bayou			
2425A ENT	>35cts/100ml & or 89cts/100ml 25% time	None by City, worked with H-GAC' BIG. Added GCHD sampling in Oct 2015	2004 and 2010
Dickinson Bayou			
1103 ENT	>35cts/100ml & or 89cts/100ml 25% time	None by City, worked with Dickinson Bayou Watershed Partnership and Texas A&M Agrilife extension. Added GCHD sampling in Oct 2015	2006 and 2008
1104 01 EC	>126cts/100ml & or 394cts/100ml 25% time	None by City, worked with Dickinson Bayou Watershed Partnership and Texas A&M AgriLIFE Extension. Added GCHD sampling in Oct 2015	2006 and 2008
1104-01 CBOD	>4.0mg/L for 24hr avg DO concentration and a 3.0mg/L for 24hr absolute minimum DO concentration	None by City, worked with Dickinson Bayou Watershed Partnership and Texas A&M AgriLIFE Extension. Added GCHD sampling in Oct 2015	2006 and 2008
1104-02 EC	>126cts/100ml & or 394cts/100ml 25% time	None by City, worked with Dickinson Bayou Watershed Partnership and Texas A&M AgriLIFE Extension. Added GCHD sampling in Oct 2015	2006 and 2008

1104—02 CBOD	>4.0mg/L for 24hr avg DO concentration and a 3.0mg/L for 24hr absolute minimum DO concentration	None by City, worked with Dickinson Bayou Watershed Partnership and Texas A&M AgriLIFE Extension. Added GCHD sampling in Oct 2015	2006 and 2008

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>
Bacteria and DO reduction	MCM1 BMPs 1 thru14	Outreach informs the Public of the impairment and provides tools for their participation in reduction.
Bacteria and DO reduction	MCM2 BMPs 1 thru 6	Knowing the physical properties of the collection system and performing detection/reporting provides operators tools for more efficient reduction.
Bacteria and DO reduction	MCM4 BMPs 1 thru 4	Maintaining Post-Construction BMPs reduces the unintended consequences from failures.
Bacteria and DO reduction	MCM5 BMPs1 thru 11	Maintaining City facilities reduces the unintended consequences from failures.

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

<b>Description of bacteria-focused BMP</b>	<b>Comments/Discussion</b>
MCM2 BMP13 Illicit Discharge Detection and Elimination Program	City will continue to work on expanding the SSOI program with TCEQ.
MCM2 MBP13 added stream sampling	Added stream sampling in 2015 will provide a needed tool for tracking and reduction of probable sources.

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

For example, the MS4 may use the following benchmark indicators:

- number of sources identified or eliminated;
- number of illegal dumping;
- increase in illegal dumping reported;
- number of educational opportunities conducted;
- reductions in sanitary sewer flows (SSOs); /or
- increase in illegal discharge detection through dry screening.

<b>Benchmark Indicator</b>	<b>Description/Comments</b>
Stream Bacteria	The City participates in the outfall testing program and includes stream bacteria testing.
Sanitary Sewer Overflow reduction	City will continue to work on expanding the SSOI program with TCEQ.

## 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	Public Outreach	City will host available programs.
2	6	SSO reduction	Continue SSOI program participation.
3	1 thru 6	Bacteria and TSS reduction	Improve program tracking and its impacts.
4	2	Long-Term Operation and Maintenance Program	Improve program tracking and its impacts.

## F. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year.

X Yes \_\_\_ No

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

\_\_\_ Yes X No

If "Yes," report on changes made to measurable goals and BMPs:

<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.

<b>BMP</b>	<b>Description</b>	<b>Implementation Schedule (start date, etc.)</b>	<b>Status/Completion Date (completed, in progress, not started)</b>
N/A	N/A	N/A	N/A

### H. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?

X Yes \_\_\_ No

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

Name and Explanation:

Galveston County Municipal Districts 43, 44, 45, & 46 are interior of League City's City limits; and the MUDs receive water from and discharge into this MS4

Name and Explanation:

Galveston County Municipal Districts 43, 44, 45, & 46 are responsible for implementing efforts regarding district-owned conveyances within the City of League City.



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

X Yes \_\_\_ No

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

X Yes \_\_\_ No

If "Yes," list all associated authorization numbers, permittee names, and SWMP responsibilities of each member (add additional spaces or pages if needed):

Authorization Number: TXR040552

Permittee: GCMUD 43

Authorization Number: TXR040553

Permittee: GCMUD 44

Authorization Number: TXR040554

Permittee: GCMUD 45

Authorization Number: TXR040555

Permittee: GCMUD 46

### 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):

150+ activities currently ongoing.

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

\_\_\_ Yes X No

2b. If "yes," then provide the following information for this permit year:

<b>The number of municipal construction activities authorized under this general permit</b>	
The total number of acres disturbed for municipal construction projects	N/A

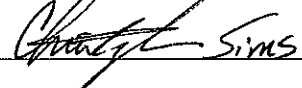
**Note:** Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.

## 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): Christopher Sims Title: Director of Engineering

Signature:  Date: 2/27/2020

Name of MS4: City of League City

Name (printed): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name of MS4: G.C.M.U.D. # 43

Name (printed): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name of MS4: G.C.M.U.D. # 44

Name (printed): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

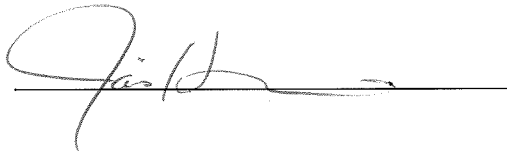
Name of MS4: G.C.M.U.D. # 45

## 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): Janis Hargrove Title: President

Signature:  Date: 3/3/20

Name of MS4: Galveston County MUD 43 - TXR040552

## 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): WE White Title: President

Signature: WE White Date: 3.3.2020

Name of MS4: Galveston County MUD 44 - TXR040553

## 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): Cheryl Leonard Title: President

Signature: Cheryl Leonard Date: March 3, 2020

Name of MS4: Galveston County MUD 45 - TXR040554

## 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): E Rusty Kidrine Title: President

Signature:  Date: March 3, 2020

Name of MS4: Galveston County MUD 46 - TXR040555