P.O. Box 2039
Tyler, Texas 75710

511 W. Locust
Tyler, Texas 75702

5 April 2021

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

Re: Phase II MS4 Annual Report Transmittal for the City of Tyler
TPDES Authorization: TXR040041

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 Permit, Authorization Number TXR040041 for the City of Tyler. The annual report is for Year 2 of the 2019 Permit reporting period beginning 01/01/2020 and ending 12/31/2020.

This report is being mailed late due to staffing shortages.

As required by the general permit a copy of this submittal has also been delivered to the TCEQ's Region 5 office, in Tyler, Texas.

Sincerely,

Paul Neuhaus, P.E.

Paul E. Neuhaus, M.S., P.E.
Environmental Compliance Engineer

Cc: TCEQ Region 5, Tyler
2916 Teague Dr.
Tyler, Texas 75701-3734

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040041

Reporting Year (year will be either 1, 2, 3, 4, or 5): __2__

Annual Reporting Year Option Selected by MS4:

Calendar Year: _2020_

Permit Year: _____

Fiscal Year: _____ Last day of fiscal year: (_____)

Reporting period beginning date: (month/date/year) _01/01/2020_

Reporting period end date: (month/date/year) _12/31/2020_

MS4 Operator Level: ___3___ Name of MS4: _City of Tyler_

Contact Name: _Paul Neuhaus_ Telephone Number: _903-531-1085_

Mailing Address: __P.O. Box 2039, Tyler, TX 75710-2039__

E-mail Address: __pneuhaus@tylertexas.com__

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

Region the annual report was submitted to: TCEQ Region _5_

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.	X		BMPs are followed; most goals are met.

Permittee is currently in compliance with recordkeeping and reporting requirements.	X		City is currently in compliance with these requirements.
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		City meets the eligibility requirements.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		An annual review of the current (and submitted, pending approval) SWMPs was conducted.

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**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1: PE/PI	Utility Bill ~~Inserts~~ Messages (PE/PI-1)	Yes, increases public awareness of stormwater issues and involvement in reducing discharges.
1: PE/PI	Stormwater ~~Brochures~~ Literature (PE/PI-2)	Yes, increases public awareness of stormwater issues and involvement in reducing discharges.
1: PE/PI	Stormwater Website (PE/PI-3)	Yes, increases public awareness of stormwater issues and educates the public on BMPs in use.
1: PE/PI	Public Service Announcements / Social Media (PE/PI-4)	Yes, increases public awareness of stormwater issues and involvement in reducing discharges.
1: PE/PI	School Take Home Folders (PE/PI-5)	Yes, increases student education on stormwater issues and encourages involvement in reducing discharges. Folders are requested and in demand by the Tyler ISD.
1: PE/PI	Storm Drain Marking by City Staff (PE/PI-6)	Yes, educates public about storm drains and how they convey stormwater directly to streams and rivers, which may thereby decrease the potential for illegal dumping.

1: PE/PI	Stream Cleanup Projects (PE/PI-7)	Yes, this directly decreases the discharge of pollutants into water bodies and is a good opportunity to increase community awareness and involvement.
1: PE/PI	Facility Tours (PE/PI-8)	Yes, educates the public, particularly students, on the impacts of pollutants in stormwater and how it affects the treatment process at the water treatment plant and the importance of proper disposal of waste materials at the recycling center.
1: PE/PI	Adopt a Street, Park or Spot (PE/PI-9)	Yes, directly involves the public in decreasing the discharge of stormwater pollutants.
2: ID	Storm Drain System Outfall Mapping (ID-1)	Yes, the maps are important in helping City staff identify inspection locations and communicate where issues are located, in order to reduce the chances of a discharge of pollutants into stormwater.
2: ID	Dry Weather Screening (ID-2)	Yes, helps City staff in identifying and eliminating the discharge of pollutants into stormwater, particularly for illegal connections of wastewater to the storm sewer system.
2: ID	Illicit Discharge Investigations (ID-3)	Yes, procedures aid City staff in identifying and eliminating the discharge of pollutants into stormwater.
2: ID	Enforce Illicit Discharge Ordinance (ID-4)	Yes, gives City a regulatory mechanism to specifically prohibit illicit discharges and illegal connections.
2: ID	Reduce Sanitary Sewer Overflows (ID-5)	Yes, proactive cleaning and inspection has been shown to reduce the number of SSOs in City.
2: ID	Solid Waste Collection Events (ID-6)	Yes, this BMP was shown to be effective in the past in reducing the discharge of pollutants into stormwater.
2: ID	Reduce Illegal Dumping (ID-7)	Yes, the stormwater hotline and camera surveillance at problem dump sites has been effective.
2: ID	Reduce Failing Septic Systems (ID-8)	Yes, the septic system maintenance brochure promotes the proper operation and maintenance of septic systems by the public.

2: ID	Illicit Discharge Training (ID-9)	Yes, helps City staff in identifying and eliminating the discharge of pollutants into stormwater, particularly for illicit discharges.
2: ID	Pet Waste Management (ID-10)	Yes, this BMP serves as a focused BMP to address bacterial contamination due to pet waste.
3: C	Enforce Erosion Control Ordinance (C-1)	Yes, gives City a regulatory mechanism to specifically require an erosion control plan with project plans.
3: C	Erosion Control Plan Review (C-2)	Yes, this BMP requires City staff to review plans and ensure an appropriate erosion control plan is in place for all earth disturbing activities.
3: C	Construction Site Inspections (C-3)	Yes, this BMP requires inspection of construction activities in regards to erosion control, and reduces the discharge of pollutants.
3: C	Construction General Permit Training (C-4)	Yes, educates City staff on requirements of erosion control BMPs and construction permitting.
3: C	Stormwater Hotline for Receipt of Public Comment (C-5)	Yes, actively involves the public in the implementation of City's stormwater program.
4: PC	Post Construction Ordinance (PC-1)	Yes, gives City a regulatory mechanism to specifically address post construction runoff from new development.
4: PC	Post Construction BMP Manual (PC-2)	Yes, outlines design standards for development of post-construction BMPs.
4: PC	Long Term Operation and Maintenance of BMPs (PC-3)	Yes, operation and maintenance of BMPs is important in reducing pollutants to stormwater. However, City does not currently have any public infrastructure BMPs to maintain, all are privately owned and maintained BMPs. A NOC will be submitted changing this BMP to cover the privately owned BMPs only. See Section F for more information.
4: PC	Sediment Control at City Facilities (PC-4)	Yes, this BMP prevents the transport of sediment off-site.

5: GH	Stormwater Pollution Prevention Training (GH-1)	Yes, educates City staff on stormwater pollution prevention techniques and requirements.
5: GH	Used Tire and Battery Recycling (GH-2)	Yes, recycling of these materials lowers the risk of stormwater pollution.
5: GH	Vehicle Washing (GH-3)	Yes, instead of discharging potential pollutants to the street, the wash water is filtered through a sand trap, reducing the number of pollutants discharged.
5: GH	Vehicle Fueling (GH-4)	Yes, informs City staff of safe fueling procedures and spill containment kit procedures, ensures USTs are not leaking.
5: GH	Landscape and Lawn Care (GH-5)	Yes, ensures that pesticide applicators are licensed, confirming that they are knowledgeable in the proper application rates and methods of lawn care chemicals.
5: GH	Roadway Cleaning (GH-6)	Yes, helps reduce the volume of debris and trash on City streets and in waterways.
5: GH	Storm Drain System Operation and Maintenance (GH-7)	Yes, reduces the amount of debris, trash and pollutants in City storm drain system.
5: GH	MS4 Facility Specific SOPs (GH-8)	Yes, educates City staff on BMPs that are applicable to their specific facility.
5: GH	Used Oil Collection and Recycling (GH-9)	Yes, proper disposal and recycling of these materials lowers the risk of stormwater pollution.
5: GH	Airport Operations (GH-10)	Yes, requires the airport to implement certain stormwater controls.
5: GH	City Facilities and Control Inventory (GH-11)	Yes, important for determining the potential of high priority city facilities to discharge pollutants.
5: GH	Municipal Operation and Maintenance Activities (GH-12)	Yes, important in identifying and implementing pollution prevention (PP) measures during City operation and maintenance (O&M) activities.
5: GH	Contractor Oversight (GH-13)	Yes, requires contractors to take certain stormwater pollution control measures because they are contractually obligated.

5: GH	Good Housekeeping Clean-up (GH-14)	Yes, proper disposal and recycling of these materials lowers the risk of stormwater pollution.
7th MCM	Master Construction SWP3	Yes, allows small projects that City performs to be permitted under the MS4 permit.

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**):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1: PE/PI	Utility Bill ~~Inserts~~ Messages (PE/PI-1)	Utility Bill Inserts in Water Bills	3 unique messages; 12 mailings	Utility Bill Messages During a Billing Cycle	No, however it educates the public on stormwater issues, which will result in future pollutant reduction.
1: PE/PI	Stormwater ~~Brochures~~ Literature (PE/PI-2)	Literature at Kiosks	No new printing required	Brochure	No, however it educates the public on stormwater issues, which will result in future pollutant reduction.
1: PE/PI	Stormwater Website (PE/PI-3)	Stormwater Management Website	1	Website	No, however it educates the public on stormwater issues, which will result in future pollutant reduction. City's website was revamped this year.

1: PE/PI	Public Service Announcements/ Social Media (PE/PI-4)	PSAs and Social Media Posts	Daily PSA broadcasts; 19 social media posts	PSA Airing and Social Media Post	No, however it educates the public on stormwater issues, which will result in future pollutant reduction.
1: PE/PI	School Take Home Folders (PE/PI-5)	School Take Home Folders Distributed	1 to Each Tyler ISD Student; 4,375 total	Folders Distributed	No, however it educates the students on stormwater issues, which will result in a pollutant decrease in the future.
1: PE/PI	Storm Drain Marking by City Staff (PE/PI-6)	Storm Drain Markers Placed	28	Storm Drain Markers Placed	No, however it educates the public that storm drains convey directly to streams and rivers.
1: PE/PI	Stream Clean-up Projects (PE/PI-7)	Clean-up events	16	Clean-up Event	Yes, clean-up events directly decrease stormwater pollution.
1: PE/PI	Facility Tours (PE/PI-8)	Tours	6	Tour	No, however it educates the public and students on what can be done to reduce stormwater pollution, which will result in a pollutant decrease in the future.
1: PE/PI	Adopt a Street, Park, or Spot (PE/PI-9)	Adoptions	62	Adoption	Yes, adoptions result in cleaning up streets, parks, or other spaces, thereby directly reducing stormwater pollution.

2: ID	Storm Drain System Outfall Mapping (ID-1)	GPS / GIS Data	201	Edits (City-wide GIS Outfall Map)	No, however having accurate location information allows City staff to communicate about and follow up on problems at specific outfalls and/or areas of the storm drainage system.
2: ID	Dry Weather Screening (ID-2)	Screenings	15	Screening	Yes, when dry weather discharge is discovered and tested, immediate action can be taken to detect and remove the pollutant and its source.
2: ID	Illicit Discharge Investigations (ID-3)	Inspections	731 Initial; 51 Follow-up	Inspection	Yes, when illicit discharges or illegal dumping are observed, immediate action can be taken to remove the pollutant and track the source.
2: ID	Illicit Discharge Ordinance (ID-4)	Citations Issued	23	Citation	Yes, when illicit discharges or illegal dumping are observed, immediate action can be taken to remove the pollutant and track the source.
2: ID	Reduce Sanitary Sewer Overflows (ID-5)	Sewer Collection Lines CCTV and Cleaning (feet)	463,584 ft CCTV; 1,428,768 ft Cleaned	Linear Feet (LF) per Permit Year	Yes, when sewer collection lines are proactively inspected and cleaned, this reduces the potential for SSOs.

2: ID	Solid Waste Collection Events (ID-6)	Collection Events	3	Collection Event	Yes, this directly decreases stormwater pollutants by increasing proper disposal.
2: ID	Reduce Illegal Dumping (ID-7)	Illegal Dump Sites	32	Camera	Yes, when illegal dumping is observed, immediate action can be taken to remove the pollutant and track the source.
2: ID	Reduce Failing Septic Systems (ID-8)	Brochures at Kiosk	0	Brochures Printed	No, however it educates the public on operation and maintenance of septic systems, which will result in a pollutant decrease in the future.
2: ID	Illicit Discharge Training (ID-9)	Training Sessions	8	Meeting	No, however it educates City staff on proper procedures and what to look for in regards to illegal dumping, spills, illicit discharges, etc. which will decrease stormwater pollution in the future.
2: ID	Pet Waste Management (ID-10)	Supplies	180,000	Pet Waste Bag	Yes, directly reduces bacterial contamination due to pet waste.
3: C	Enforce Erosion Control Ordinance (C-1)	Investigations / Citizen Complaint Responses / Citations	4 Responses; 0 Citations	Case	Yes, requires contractors to implement erosion control measures on their construction sites, thereby reducing stormwater pollution.

3: C	Erosion Control Plan Review (C-2)	100% Plan Review	39 Utility/ Grading; 519 Construction Permits	Active Sites	No, but ensures the contractors have what is necessary to implement appropriate erosion control during construction.
3: C	Construction Site Inspections (C-3)	Site	377 Utility/ Grading; 231 Construction Permits	Inspection	Yes, inspecting the construction sites ensures that each has the appropriate erosion control BMPs in place to reduce sediment discharge and erosion.
3: C	Construction General Permit Training (C-4)	Training	0	Session	No, however education aids in compliance.
3: C	Stormwater Hotline for Receipt of Public Comment (C-5)	Complaints	0	Complaint	Yes, when illicit discharges or illegal dumping are observed, immediate action can be taken to remove the pollutant and track the source.
4: PC	Post Construction Ordinance (PC-1)	Enforcement Orders	0	Orders	Yes, requires contractors to implement post construction BMPs, thereby reducing stormwater pollution.
4: PC	Post Construction BMP Manual (PC-2)	Review	0	Edits / Updates	Yes, reviews design guidelines for Post-Construction BMPs for use on construction sites.

4: PC	Long Term Operation and Maintenance of BMPs (PC-3)	Inspection and Procedures	0; 0	Map Edits; Inspections	Yes, requires public and private BMPs to be maintained.
4: PC	Sediment Control at City Facilities (PC-4)	Inspection	12	Inspection	Yes, the rock check dam at the streets department, as well as the containment berms around stockpiled materials prevents material wash out and stormwater pollution.
5: GH	Stormwater Pollution Prevention Training (GH-1)	Training sessions	1	Training Sessions	No, but the training educates City staff on stormwater pollution prevention techniques.
5: GH	Used Tire and Battery Recycling (GH-2)	Tires and batteries recycled	93.39 tons of tire casings; 1.42 tons of batteries	Tires and Batteries Recycled (Tons of Each)	Yes, this directly decreases stormwater pollutants by increasing proper disposal.
5: GH	Vehicle Washing (GH-3)	Grit trap cleanings	4	Cleaning	Yes, by decreasing the potential for stormwater pollutants to be discharged from the wash water.
5: GH	Vehicle Fueling (GH-4)	Maintain UST leak detection system	12	UST System Report	Yes, by ensuring the UST are not leaking.
5: GH	Landscape and Lawn Care (GH-5)	Staff licensed	3	Staff Licensed	Yes, by ensuring City staff is knowledgeable in the proper application rates and methods for lawn care chemicals, thereby reducing excess use.

5: GH	Roadway Cleaning (GH-6)	Miles swept	18,118	Miles Swept	Yes, helps reduce the volume of debris and trash on City streets and in waterways.
5: GH	Storm Drain System Operation and Maintenance (GH-7)	Areas requiring inspections and cleaning	10 Storm-cepters, 36 Major Bridges, 53 Minor Bridges	Each	Yes, requires the streets department to inspect and maintain areas requiring clean-up.
5: GH	MS4 Facility Specific SOPs (GH-8)	High Priority Facilities included	Maintained and reviewed	Manual Mainte-nance	No, however it educates City staff on BMPs and SOPs for individual facilities, which will decrease stormwater pollution in the future.
5: GH	Used Oil Collection and Recycling (GH-9)	Used oil collected and recycled	17,005	Gallons	Yes, proper disposal and recycling of these materials lowers the risk of stormwater pollution.
5: GH	Airport Operations (GH-10)	Inspections	4	Inspection	Yes, requires the airport to implement certain stormwater controls, lowering the risk of stormwater pollution.
5: GH	City Facilities and Control Inventory (GH-11)	Assessments	7	City Facility Review	Yes, requires inspection of City facilities and ensures compliance with MS4 permit and corrects deficiencies.
5: GH	Municipal Operation and Maintenance Activities (GH-12)	Assessments	3	Procedure Review	Yes, reduces the potential for releases by education, training, and increasing awareness
5: GH	Contractor Oversight (GH-13)	Inspections	377	Site Visit	Yes, ensures proper contractor behavior

5: GH	Good Housekeeping Clean-up (GH-14)	Annual clean up at high priority facilities	0	Clean-up	Yes, proper disposal and recycling of unused construction and other materials lowers the risk of stormwater pollution.
7: MC	Master Construction SWP3	Work Orders	6,301	Jobs	Yes, proper procedures prevents discharges

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)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
Utility Bill ~~Inserts~~ Messages (PE/PI-1)	3 for the year	Goal Not Met – Three (3) messages were included in the first two (2) and last billing cycles of 2020; COVID-19 and a lack of staffing.
Stormwater ~~Brochures~~ Literature (PE/PI-2)	Report number of brochures per year	Goal Achieved – Still have sufficient number of brochures, none needed to be printed.
Stormwater Website (PE/PI-3)	1 screen shot of updated web page with link	Goal Achieved – The City maintained the Stormwater Management Plan website and updated links and posted links to the SWMP and Year 1 report.
Public Service Announcements / Social Media (PE/PI-4)	1 PSA broadcast/month; 1 social media post/month	Goal Not Met - Broadcasting one (1) stormwater PSA at least once per day on Channel 3; 19 social media post/press released. It was all about COVID-19.
School Take Home Folders (PE/PI-5)	1 folder for each student at 8 TISD elementary school	Goal Achieved – Folders were delivered and distributed at the beginning of the ’20-21 school year.

Storm Drain Marking by City Staff (PE/PI-6)	Mark at least 120 inlets/year. Updated GIS map of marked inlets.	Goal Not Met – Reduced staffing did not keep track of inspectors or documentation.
Stream Clean-up Projects (PE/PI-7)	At least one clean up event	Goal Exceeded – 16 projects were completed.
Facility Tours (PE/PI-8)	Conduct at least 5 facility tours/year	Goal Exceeded – Six (6) tours were given.
Adopt a Street, Park or Spot (PE/PI-9)	Report on number of adoptions per year	Goal Achieved – 62 adoptions.
Storm Drain System Outfall Mapping (ID-1)	Maintain existing map	Goal Achieved – Outfalls are mapped in each watershed; GIS database is updated with current data.
Dry Weather Screening (ID-2)	Outfall screening maps	Goal Not Met – Reduced staffing was unable to complete the desired number of screenings.
Illicit Discharge Investigations (ID-3)	List of Initial and Follow-up Investigations	Goal Achieved – There were 731 Initial and 51 Follow-up Investigations for this time period.
Illicit Discharge Ordinance (ID-4)	Report on number of enforcement orders	Goal Achieved – There were 23 Citations issued during this time period.
Reduce Sanitary Sewer Overflows (ID-5)	Clean 400,000 ft/ year; TV 40,000 ft/ year; Visual inspection logs	Goal Exceeded – 1,428,768 ft were cleaned; 463,584 ft were inspected by CCTV. .
Solid Waste Collection Events (ID-6)	2 per year	Goal Exceeded – Three (3) events were held.

Reduce Illegal Dumping (ID-7)	Deploy at least 6 cameras at dump sites. Update map of cameras and active dump sites.	Goal Exceeded – Cameras were deployed at 32 sites.
Reduce Failing Septic Systems (ID-8)	Report on number of brochures printed by Smith County.	Goal Achieved – No new printing required.
Illicit Discharge Training (ID-9)	1 training per year	Goal Exceeded – City staff attended eight (8) trainings during the year.
Pet Waste Management (ID-10)	Number of supplies ordered	Goal Achieved – Ordered approximately 180,000 pet waste bags during the permit year.
Enforce Erosion Control Ordinance (C-1)	List of enforcement orders or fines	Goal Achieved – Zero (0) enforcement orders.
Erosion Control Plan Review (C-2)	Review 100% of plans submitted. List/map of active construction sites	Goal Achieved – 100% of plans submitted were reviewed; list of 30 construction sites and 558 permitted sites is maintained by City. Permitted sites include all permits.
Construction Site Inspections (C-3)	Report number of construction site inspections	Goal Achieved – City conducted 608 erosion control inspections during permit year.
Construction General Permit Training (C-4)	Advertise training to staff as available	Goal Achieved – There were no local training classes to advertise, therefore no training was completed. When available, it is advertised to staff.

Stormwater Hotline for Receipt of Public Comment (C-5)	Report number of complaints	Goal Achieved – no complaints to hotline.
Post Construction Ordinance (PC-1)	Report on number of enforcement orders/citations	Goal Achieved – No enforcement actions were required during this time period.
Post Construction BMP Manual (PC-2)	Reviewed of Manual	Goal Achieved – No updates were made.
Long Term Operation and Maintenance of BMPs (PC-3)	Updated GIS map. Semi-annual inspection of public infrastructure BMPs	Goal Achieved – All ten (10) Stormcepters were cleaned.
Sediment Control at City Facilities (PC-4)	Inspection checklist/log	Goal Achieved – the City maintains log of inspections on rock check dam and material stockpiles. All material stockpiles are maintained within containment berms.
Stormwater Pollution Prevention Training (GH-1)	Training 1/year	Goal Not Met – No training were conducted.
Used Tire and Battery Recycling (GH-2)	Weight of batteries and used tires recycled	Goal Achieved – There were 93.39 tons of tires and 1.42 tons of batteries recycled.
Vehicle Washing (GH-3)	Clean at least once/quarter	Goal Exceeded - Grit trap was cleaned four (4) times during reporting year.

Vehicle Fueling (GH-4)	UST system report	Goal Achieved – One (1) UST system reports – passed.
Landscape and Lawn Care (GH-5)	Ensure at least 2 staff have a Pesticide Applicator License	Goal Exceeded – Three (3) licensed applicators currently on staff.
Roadway Cleaning (GH-6)	Clean 2,000 lane miles	Goal Exceeded – 18,118 miles of roadway swept.
Storm Drain System Operation and Maintenance (GH-7)	Inspection/Cleaning logs	Goal Achieved – All ten (10) Stormcepters were cleaned.
MS4 Facility Specific SOPs (GH-8)	Revise as needed and maintain SOP manual	Goal Achieved – Manual was maintained.
Used Oil Collection and Recycling (GH-9)	Report on volume of oil recycled	Goal Achieved – There were 17,008 gallons of oil recycled.
Airport Operations (GH-10)	Report number of inspections and update maps if outfalls change	Goal Achieved - Inspection completed on 3/2/2020, 4/22/2020, 9/2/2020, and 12/30/2020. Outfall maps are up to date.
City Facilities and Control Inventory (GH-11)	Provide inspection forms for high priority facilities. Update GIS map as needed	Goal Not Met – did not access any City facilities; reduced staffing levels.
Municipal Operation and Maintenance Activities (GH-12)	Report on number of Inspections and Maintenance	Goal Achieved – Seven (7) sites were inspected.

Contractor Oversight (GH-13)	Report on the number of contracts issued	Goal Achieved – 30 contracts were issued.
Good Housekeeping Clean-up (GH-14)	Hold at least one annual clean up at high priority facilities	Goal Exceeded – airport, streets, VES, water service center, and solid waste cleans up throughout the year at regular intervals.
7th MCM	Report number of construction activities permitted under 7th MCM	Goal Achieved - Approximately 6,301 total construction activities permitted under the master SWP3.

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.?

Laboratory analysis was not utilized to analyze any dry weather flow sample collections. Dry weather screening took place in Black Fork Creek and West Mud Creek basins. Said dry weather screenings had no discernable flows

Storm drain inlet and "StormCeptor" inspection and cleaning, as well as routine inspections of storm system utilities is a priority. Continued diligence to properly sample, observe, and prevent contamination of stormwater at City facilities shall continue.

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.

Black Fork and West Mud creeks are currently impaired for bacteria; however, no TMDL is developed. In addition, West Mud Creek also has a concern for nitrates and ammonia based on screening levels. Both have been on the impaired list.

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.

   BMP ID-5 focuses on bacterial contamination from sanitary sewer overflows. BMP ID-10 addresses the management of bacterial contamination resulting from pet waste.

   BMP GH-5 focuses on contaminants from landscape and lawn care.

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

   There is no approved TMDL; thus, this is not applicable.

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

Benchmark Parameter ***(Ex: Total Suspended Solids)***	**Benchmark Value**	**Description of additional sampling or other assessment activities**	**Year(s) conducted**
Bacteria	None	N/A	N/A
Depressed Dissolved Oxygen	None	N/A	N/A

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

Benchmark Parameter	**Selected BMP**	**Contribution to achieving Benchmark**
N/A	N/A	N/A

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

Description of bacteria-focused BMP	Comments/Discussion
PE/PI-2: Stormwater Brochures provide information and are always available during working hours.	Various topics are covered, including pet waste and the harm that bacterial sources can cause.
PE/PI-3: Stormwater website provide information and is always available.	Various topics are covered, including pet waste and the harm that bacterial sources can cause.
PE/PI-4: PSAs and Social Media provide information regularly.	Various topics are covered, including pet waste and the harm that bacterial sources can cause.
ID-5: Reduce Sanitary Sewer Overflows	City is working to eliminate the discharge of untreated wastewater directly and indirectly to surface waters.
ID-10: Pet Waste Management – four (4) City Parks have Pet Waste Stations to minimize bacterial contamination in area creeks.	City has maintained this BMP for this permit year by supplying 12,000 waste bags and four (4) City parks.

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 dumpings;
- 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.

Benchmark Indicator	Description/Comments
N/A	N/A

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
2	ID-10	Fats, Oils, and Grease (FOG) Inspections	Improve FOG inspections to prevent sanitary sewer overflows (SSO).
4	PC-3	Long Term Operation and Maintenance of BMPs	More proactive approach.
5	GH-7	Storm Sewer System Operation and Maintenance	More proactive approach.

F. SWMP Modifications

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

__X__ Yes __X__ No

2. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.
_____ Yes __X__ No

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

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

Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible, and why the replacement BMP is expected to achieve the goals of the original BMP.

3. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land, etc.). N/A

G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans.

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

H. Additional Information

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

___ Yes __X__ No

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

Name and Explanation: N/A

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

___ Yes _X__ No

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

___ 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: __N/A_____ Permittee: __N/A_____

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):

____30_____

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

_X_ Yes ___ No

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

The number of municipal construction activities authorized under this general permit	**233**
The total number of acres disturbed for municipal construction projects	Each activity disturbed less than one acre of soil; estimated total soil disturbance is less than five (5) acres.

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): Paul Neuhaus Title: Environmental Compliance Engineer

Signature: Paul Neuhaus, P.E. Date: 31 March 2020

Name of MS4 City of Tyler

If you have questions on how to fill out this form or about the Stormwater Permitting program, please contact us at 512-239-4671.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

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  + City Manager's Office
  City University
  + Code Enforcement
  + Communications
  + Development Services
  + Finance Department
  + Engineering Services
  + Fire Department
  + GIS
  + Organizational Development
  Information Technology
  + Lean Six Sigma/City University/Performance Excellence
  + Legal
  Liberty Hall
  + Library
  Main Street
  + Municipal Court
  + Neighborhood Services
  + Parks & Rec
  + Police Department
  + Purchasing
  + Risk Management
  + Solid Waste
  - Stormwater Management Program
    + Best Management Practices
    Activities for Kids
    FAQs
  + Streets Department
  + Traffic Signals & Signs
  Tyler Innovation Pipeline
  + Tyler Area Metropolitan Planning Organization
  + Tyler Transit
  Tyler TV 3
  + Tyler Water Utilities
  + Vehicle Services
  + Volunteer Tyler

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Stormwater Management Program

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Report Flooding or Drainage Issues by calling the Stormwater Hotline at (903) 531-1393

Report Surface Water Quality Problems by calling the Environmental Compliance Engineer at (903) 531-1085

Stormwater is precipitation (usually rain, but snow counts too) that does not seep into the ground, but runs off into our storm drain systems, where it eventually flows into our streams and lakes. Impervious surfaces such as roads, parking lots, driveways, and roofs that are common in urban areas, prevent the rainwater from percolating into the ground and increase the amount of stormwater runoff.

Stormwater is not treated before it is discharged into our waterbodies. Thus, anything that stormwater comes into contact with as it flows over the landscape can contaminate it. Polluted stormwater runoff can be harmful to plants, fish, animals, and people. Some of the most common contaminants that are found in stormwater are listed below:

- **Sediment** can cloud the water and make it difficult for aquatic plants to grow. Plants form the base of the food chain and provide nourishment and habitat for fish and other aquatic life. In addition, much of the sediment is deposited into the storm drain system, never reaching a waterbody; this reduces the drainage system capacity and increases the chance of flooding.
- **Excess nutrients** from lawn fertilizers can cause algae blooms that form green scum on the surface of the water. When the algae die, their decomposition removes oxygen from the water. Fish and other aquatic organisms cannot exist without oxygen. The low oxygen level in the water can lead to massive fish die-offs, called fish kills.
- **Excess organic matter** from leaf and grass clippings blown into the storm drains also consume oxygen when they decompose, possibly leading to fish kills.
- **Bacteria** and disease causing organisms can be transported into waterbodies from pet waste or raw, untreated sewage. If the water is used for recreational purposes (fishing, swimming, boating), these contaminants can create health hazards.
- **Debris and trash** such as plastic bags, cans, bottles and cigarette butts can choke, suffocate or entangle aquatic life including ducks, fish, turtles, and birds when washed into our waterbodies. This debris and trash can also build up in the storm drain system, reducing flow and capacity, thus increasing the chance of flooding.
- **Household chemicals** like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life.
- **Metal particles** deposited on roadways from automobiles can be washed into the storm drains when it rains. Metals have a tendency to bioaccumulate in the environment, meaning that as small fish become contaminated with metals and are eaten by progressively larger fish, the concentrations of metals in the fish tissue continue to increase. This poses a significant health risk for humans that consume tainted fish.

Polluted stormwater can also affect drinking water sources and can impact human health and increase drinking water treatment costs. Stormwater runoff from Tyler flows to one of the following creeks:

- Black Fork Creek
- Gilley Creek
- Indian Creek
- Shackleford Creek
- West Mud Creek
- Willow Creek

A portion of our stormwater runoff flows into Lake Tyler, one of the primary sources of drinking water for the City of Tyler. Drinking water is treated to remove harmful contaminants and make it safe for human consumption. Higher concentrations of contaminants in the stormwater require more treatment to make the water safe for us to drink. The goal of our Stormwater Management Program is to reduce the amount of stormwater pollution that enters our streams and lakes and improve the quality of life in our City.

Links

- TCEQ Stormwater Permits
- EPA Stormwater from Municipal Sources
- EPA Urbanized Area Maps
- Center for Watershed Protection
- North Central Texas Council of Governments Regional Stormwater Management Program

Contact

511 W. Locust Street
Tyler, Texas, 75702

Phone: See Page
Fax: 903-531-1240

+ Government
- Departments
+ Airport
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+ City Clerk
+ City Manager's Office
City University
+ Code Enforcement
+ Communications
+ Development Services
+ Finance Department
+ Engineering Services
+ Fire Department
+ GIS
+ Organizational Development
Information Technology
+ Lean Six Sigma/City University/Performance Excellence
+ Legal
Liberty Hall
+ Library
Main Street
+ Municipal Court
+ Neighborhood Services
+ Parks & Rec
+ Police Department
+ Purchasing
+ Risk Management
+ Solid Waste
- Stormwater Management Program
- Best Management Practices
Post-Construction SW Mgmt
Poll Prevent/Good Housekeep
Municipal Constr Activities
Activities for Kids
FAQs
+ Streets Department
+ Traffic Signals & Signs
Tyler Innovation Pipeline
+ Tyler Area Metropolitan Planning Organization
+ Tyler Transit
Tyler TV 3
+ Tyler Water Utilities
+ Vehicle Services
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Best Management Practices

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The Clean Water Act (CWA) was passed in 1972 with the goal of improving water quality in the nation's streams. The primary emphasis was to establish a system to control pollution from point sources (i.e., localized and stationary pollution sources). The CWA established the National Pollutant Discharge Elimination System (NPDES), that requires anyone discharging a pollutant from a municipal wastewater or industrial point source must obtain a NPDES permit, which specifies effluent limits, monitoring requirements and enforcement mechanisms.

The CWA also contains regulations to address pollution from diffuse non-point sources. Phase I of the NPDES regulations required municipalities with populations over 100,000 to classify their stormwater runoff and develop programs to reduce the pollutants in the runoff. In 1999, the EPA passed regulations, known as Phase II, that required permits for stormwater discharges from small Municipal Separate Storm Sewer Systems (MS4s) by March 2003. After a series of lawsuits, which temporarily suspended implementation of the Phase II regulations, the Texas Commission on Environmental Quality (TCEQ) issued its final Texas Pollutant Discharge Elimination System (TPDES) Small MS4 General Permit on August 13, 2007.

That permit required small MS4s, including the City of Tyler, to develop a Stormwater Management Program. The original permit expired in 2012, and a new permit became effective on December 13, 2013. Tyler was able to review, revise and update its SWMP as part of the new permit. The City's current Stormwater Management Program consists of the following six Minimum Control Measures (MCMs):

- Public Education, Outreach, and Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post Construction Stormwater Management in Areas of New Development and Redevelopment
- Pollution Prevention / Good Housekeeping for Municipal Operations
- Authorization for Municipal Construction Activities

Each MCM contains specific activities, prohibitions of practices, maintenance procedures, and other management practices called Best Management Practices (BMPs), that the City will undertake in an effort to prevent or reduce the pollution of waters in and around the City. A copy of the City's current Storm Water Management Program can be found here:

- Stormwater Management Program Page

The City must submit reports every year to describe the progress in meeting the goals of each BMP included in the SWMP. Click on the following links to download copies of the annual reports that have been submitted under the current stormwater permit:

- 2019 MS4 Permit Tyler Y1 AR
- 2013 MS4 Permit Tyler Y5 AR
- 2013 MS4 Permit Tyler Y4 AR
- 2013 MS4 Permit Tyler Y3 AR
- 2013 MS4 Permit Tyler Y2 AR
- 2013 MS4 Permit Tyler Y1 AR

Links

- TCEQ Stormwater Permits
- EPA Stormwater from Municipal Sources
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Free viewers are required for some of the attached documents.
They can be downloaded by clicking on the icons below.