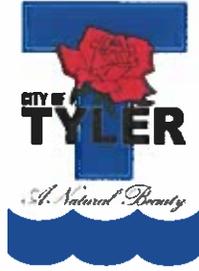


P.O. Box 2039  
Tyler, Texas 75710



511 W. Locust  
Tyler, Texas 75702

20 December 2018

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 4 reporting period beginning 10/01/2017 and ending 09/30/2018.

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

Sincerely,

A handwritten signature in blue ink that reads "Paul Neuhaus, P.E.". The signature is written in a cursive style.

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

Cc: TCEQ Region 5 Office, Tyler, Texas

## 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): 4

Annual Reporting Year Option Selected by MS4:

Calendar Year \_\_\_\_\_

Permit Year \_\_\_\_\_

Fiscal Year: 2017 - 2018 Last day of fiscal year: ( 09/30/2018 )

Reporting period beginning date: (month/date/year) 10/01/2017

Reporting period end date (month/date/year) 09/30/2018

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: 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 Section B.2.):

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.		X	All BMPs are being followed; however, some measureable goals are behind schedule, specifically outfall mapping and PSAs.

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.

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

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
1: PE/PI	Utility Bill Inserts (PE/PI-1)	Yes, increases public awareness of stormwater issues and involvement in reducing discharges.
1: PE/PI	Stormwater Brochures (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.
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 Clean-up 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.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
1: 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 and eliminate the 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, helps educate City staff in identifying and eliminating the discharge of pollutants into stormwater.
2: ID	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.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
2: 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.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
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.

<b>MCM(s)</b>	<b>BMP</b>	<b>BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No, and explain.)</b>
5: 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 PP measures during City 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.
7 <sup>th</sup> MCM	Master Construction SWP3	Yes, allows small projects that City performs to be permitted under the MS4 permit.

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**):

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
1: PE/PI	Utility Bill Inserts (PE/PI-1)	Utility Bill Inserts in Water Bills	61,167	Utility Bill Inserts distributed	No, however it educates the public on stormwater issues, which will result in future pollutant reduction.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
1: PE/PI	Stormwater Brochures (PE/PI-2)	Brochures at kiosk	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.
1: PE/PI	Public Service Announcements/Social Media (PE/PI-4)	PSAs and Social Media Posts	1 PSA per month; 1 social media post per month	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	3,849	Book covers 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	32	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	1	Clean-up event	Yes, clean-up events directly decrease stormwater pollution.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
1: PE/PI	Facility Tours (PE/PI-8)	Tours	17	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	44	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	0 (Mapping is occurring currently in year 5, despite not being a goal for the fifth year)	Each	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	3	Screening	Yes, when dry weather discharge is discovered and tested, immediate action can be taken to detect and remove the pollutant and its source.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
2: ID	Illicit Discharge Investigations (ID-3)	Inspections	636	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	26	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)	408,421' CCTV; 1,370,019' 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	4	Collection Event	Yes, this directly decreases stormwater pollutants by increasing proper disposal.
2: ID	Reduce Illegal Dumping (ID-7)	Illegal dump sites	38	Camera	Yes, when illegal dumping is observed, immediate action can be taken to remove the pollutant and track the source.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
2: ID	Reduce Failing Septic Systems (ID-8)	Brochures at kiosk	250	Brochure	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	6	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	24,000	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	12	Case	Yes, requires contractors to implement erosion control measures on their construction sites, thereby reducing stormwater pollution.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
3: C	Erosion Control Plan Review (C-2)	Plans	100%	Review	No, but ensures the contractors have what is necessary to implement appropriate erosion control during construction.
3: C	Construction Site Inspections (C-3)	Site	489	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	1	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.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
4: PC	Post Construction BMP Manual (PC-2)	Review	Partial	Review	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	Developed procedure for tracking permanent privately maintained BMPs	Process	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	4	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	6.75 tons of tire casings; 3.27 tons of batteries	Tires and batteries recycled (tons)	Yes, this directly decreases stormwater pollutants by increasing proper disposal.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
5: GH	Vehicle Washing (GH-3)	Grit trap cleanings	2	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	1	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	23,403	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	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 Maintenance	No, however it educates City staff on BMPs and SOPs for individual facilities, which will decrease stormwater pollution in the future.

<b>MCM</b>	<b>BMP</b>	<b>Information Used</b>	<b>Quantity</b>	<b>Units</b>	<b>Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)</b>
5: GH	Used Oil Collection and Recycling (GH-9)	Used oil collected and recycled	11,833	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	15	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	2	Procedure Review	Yes, reduces the potential for releases by education, training, and increasing awareness
5: GH	Contractor Oversight (GH-13)	Inspections	489	Site Visit	Yes, ensures proper contractor behavior
5: GH	Good Housekeeping Clean-up (GH-14)	Annual clean up at high priority facilities	5	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	2	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**):

<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>
Utility Bill Inserts (PE/PI-1)	2 inserts mailed	Met goal – sent out 61,167 mailers and electronic inserts.
Stormwater Brochures (PE/PI-2)	Report number of brochures per year	Met goal – still have sufficient number of brochures, none needed to be printed. However, some still have old logo.
Stormwater Website (PE/PI-3)	1 screen shot of updated web page with link	Met goal – the City maintained the Stormwater Management Plan website and updated links and posted links to the SWMP and Year 3 report.
Public Service Announcements / Social Media (PE/PI-4)	1 PSA broadcast/month; 1 social media post/month	Exceeded goal - Broadcasting one (1) stormwater PSA at least once per day on Channel 3; two (2) stormwater applicable PSAs on YouTube; average of two (2) social media post/press release post per month.
School Take Home Folders (PE/PI-5)	1 folder for each student at 8 TISD elementary school	Met goal – distributed 3,849 folders to 8 TISD elementary schools.
Storm Drain Marking by City Staff (PE/PI-6)	Mark at least 15 inlets/year. Updated GIS map of marked inlets.	Exceeded goal – 30 storm drain markers placed.
Stream Clean-up Projects (PE/PI-7)	At least one clean up event	Exceeded goal – five (5) clean up events: 04/07/18 "Great Tyler Clean up"; 09/15/18 "Park Service Day" and two (2) Faulkner trails and one (1) Rose Rudman trails student clean ups
Facility Tours (PE/PI-8)	Conduct at least 5 facility tours/year	Exceeded goal – conducted three (3) tours at the Lake Palestine WTP, three (3) tours at the Golden Road WTP, and ten (10) tours at the recycling center.

<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>
Adopt a Street, Park or Spot (PE/PI-9)	Report on number of adoptions per year	Met goal - currently have 37 street and seven (7) park adoptions.
Storm Drain System Outfall Mapping (ID-1)	1 watershed per year – outfalls mapped	Working to meet goal – City is gathering existing information to get mapped. The City has also hired an outside consultant to complete outfall mapping for its “Comprehensive Stormwater Master Plan” to be completed next year.
Dry Weather Screening (ID-2)	Screening outfalls in West Mud Creek Watershed	Met goal –screening outfalls in the West Mud Creek Watershed.
Illicit Discharge Investigations (ID-3)	List of Initial and Follow-up Investigations	Met goal - 636 initial inspections completed and 120 re-inspections.
Illicit Discharge Ordinance (ID-4)	Report on number of enforcement orders	Met goal - 26 citations issued.
Reduce Sanitary Sewer Overflows (ID-5)	Clean 400,000 ft/ year; TV 40,000 ft/ year; Visual inspection logs	Exceeded goal – TV'd 408,421 ft/year, Cleaned 1,370,019 ft/year. Lift stations are being inspected and maintained on a regular basis.
Solid Waste Collection Events (ID-6)	At least 2 events/year	Exceeded goal – three (3) collection events: 11/17/17 "Tyler Recycles Day"; 05/19/18 "Paint Collection Day"; Christmas Tree Recycling.
Reduce Illegal Dumping (ID-7)	At least 6 cameras at dump sites. Update map of cameras and active dump sites 1/year	Exceeded goal - 38 cameras deployed. Maps of illegal dump sites and camera deployments updated this year.
Reduce Failing Septic Systems (ID-8)	Number of brochures produced per year	Met goal – are currently utilizing Smith County's brochure per inter local agreement; approximately 250 were printed.

<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>
Illicit Discharge Training (ID-9)	1 training per year	Exceeded goal - Code Enforcement has held 6 multiple meetings/trainings on illegal dumping and dump sites.
Pet Waste Management (ID-10)	Number of supplies ordered	Met goal - ordered approximately 24,000 pet waste bags during the permit year.
Enforce Erosion Control Ordinance (C-1)	List of enforcement orders or fines	Met goal - City conducted 489 erosion control inspections during permit year; zero enforcement orders.
Erosion Control Plan Review (C-2)	Review 100% of plans submitted. List/map of active construction sites	Met goal – 100% of plans submitted were reviewed; list of active construction sites is maintained by City.
Construction Site Inspections (C-3)	List of construction site inspections	Met goal - City conducted 489 erosion control inspections during permit year.
Construction General Permit Training (C-4)	Advertisement, if available	N/A – 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)	List of comments/complaints	Met goal - total of 1 complaint to hotline.
Post Construction Ordinance (PC-1)	List of enforcement actions	Met goal – no enforcement actions for this year.
Post Construction BMP Manual (PC-2)	N/A	N/A - No goal was required during this permit term in the BMP.

<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>
Long Term Operation and Maintenance of BMPs (PC-3)	Updated GIS map. Semi-annual inspection of public infrastructure BMPs.	Did not meet goal - the City did not have the equipment or staff to clean the public BMPs. A method for tracking privately maintained BMPs is under development.
Sediment Control at City Facilities (PC-4)	Inspection checklist/log	Met goal - 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	Met goal – Both WWTPs, Streets, VES, and airport has completed training.
Used Tire and Battery Recycling (GH-2)	Weight of batteries and used tires recycled.	Met goal – 3.27 tons of batteries and 6.75 tons of used tires recycled.
Vehicle Washing (GH-3)	Clean at least once/year	Exceeded goal - dates grit trap cleaned: 01/29/18 and 07/26/18.
Vehicle Fueling (GH-4)	UST system report	Met goal - UST system report - all passed.
Landscape and Lawn Care (GH-5)	At least 2 staff with Pesticide Applicator License	Exceeded goal – four (4) licensed applicators currently on staff.
Roadway Cleaning (GH-6)	10,000 lane miles	Exceeded goal – 23,403 lane miles swept

<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>
Storm Drain System Operation and Maintenance (GH-7)	Inspection/Cleaning logs	Did not meet this goal - because of the hiring freeze placed on City and budget issues, City has not been able to hire enough workers or purchase adequate equipment to clean out the Stormceptors. The City anticipates cleaning these out as soon as additional staff are hired and equipment becomes available. A GIS map of areas requiring inspection and cleaning is in development.
MS4 Facility Specific SOPs (GH-8)	Revised SOP manual	Met goal – manual was revised to include high priority facilities.
Used Oil Collection and Recycling (GH-9)	Report on volume of oil recycled	Met goal – 11,833 gallons of oil collected and recycled.
Airport Operations (GH-10)	Inspection dates. Updated maps if outfalls change.	Met goal - inspections completed in 12/06/17; 01/09/18; 05/09/18; and 09/04/18. Outfall maps up to date.
City Facilities and Control Inventory (GH-11)	Assessment results. Updated GIS map.	Met goal – conducted assessment of five (5) City facilities.
Municipal Operation and Maintenance Activities (GH-12)	Inspection log /Maintenance log	Did not meet this goal; intend to complete during Year 1 of next permit cycle.
Contractor Oversight (GH-13)	Oversight procedures	Did not meet this goal; Intend to complete during Year 5.
Good Housekeeping Clean-up (GH-14)	Annual clean up	Exceeded this goal - airport, streets, VES, water service center, and solid waste cleans up throughout the year at regular intervals.

<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>
7 <sup>th</sup> MCM	Report number of construction activities permitted under 7 <sup>th</sup> MCM.	Met this goal - Approximately 95 construction activities utilizing the concrete batch plant and approximately 1359 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.? (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(b))

Laboratory analysis was not utilized to analyze any dry weather flow sample collections. Dry weather screening took place in Black Fork Creek basin. Said dry weather screenings had no discernable flow but one (1) sample was collected, immediately adjacent to a stormwater outfall. Bench analysis by City personnel gave no indication of pollutant concern.

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. 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: (Refer to MS4 General Permit TXR040000 Part IV Section B.2.(c))

BMP ID-10 addresses the management of bacterial contamination resulting from pet waste. Black Fork and West Mud creeks are currently impaired; however, no TMDL is developed. Sampling of creeks to monitor potential impairment, above and beyond dry weather sampling, is a potential goal for the next permit cycle.

2. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)):

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

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

<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>
Bacteria	None	N/A	N/A
Depressed Dissolved Oxygen	None	N/A	N/A

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

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

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

<b>Description of bacteria-focused BMP</b>	<b>Comments/Discussion</b>
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-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 24,000 waste bags and four (4) City parks.

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

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

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

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

## E. Stormwater Activities

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

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
1: PE/PI	Utility Bill Inserts (PE/PI-1)	No inserts planned during water billing cycles.	'Year' is only three (3) months.
1: PE/PI	Stormwater Brochures (PE/PI-2)	Print brochures as needed.	Goal is to always have available.
1: PE/PI	Stormwater Website (PE/PI-3)	Update links and include link for Year 4 report.	Keep it 'fresh'.
1: PE/PI	Public Service Announcements/Social Media (PE/PI-4)	Broadcast 1 PSA per day on Channel 3 and send out at least one social media post per month.	Planned focus is on leaves and soil from construction activities due to the increase in rainfall this time of year.
1: PE/PI	School Take Home Folders (PE/PI-5)	Supply 1 folder per student at 8 area TISD elementary schools.	
1: PE/PI	Storm Drain Marking by City Staff (PE/PI-6)	Mark at least 15 inlets. Updated GIS map of marked inlets.	
1: PE/PI	Stream Clean-up Projects (PE/PI-7)	None planned.	'Year' is only three (3) months.
1: PE/PI	Facility Tours (PE/PI-8)	None planned.	'Year' is only three (3) months.

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
1: PE/PI	Adopt a Street, Park or Spot (PE/PI-9)	Report on number of adoptions.	
2: ID	Storm Drain System Outfall Mapping (ID-1)	Locate and map outfalls for watersheds.	Continue making progress mapping outfalls.
2: ID	Dry Weather Screening (ID-2)	Continue dry weather screening procedures in additional watersheds.	
2: ID	Illicit Discharge Investigations (ID-3)	List of Initial and Follow-up Investigations.	
2: ID	Illicit Discharge Ordinance (ID-4)	Report on number of citations issued.	
2: ID	Reduce Sanitary Sewer Overflows (ID-5)	Part of calendar year work.	'Year' is only three (3) months.
2: ID	Solid Waste Collection Events (ID-6)	None planned.	'Year' is only three (3) months.
2: ID	Reduce Illegal Dumping (ID-7)	Deploy at least 6 cameras at dump sites. Update map of cameras and active dump sites.	
2: ID	Reduce Failing Septic Systems (ID-8)	Ask Smith County to print brochures as needed.	Goal is to always have available.
2: ID	Illicit Discharge Training (ID-9)	Hold 1 training.	

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
2: ID	Pet Waste Management (ID-10)	Order supplies as needed.	Goal is to always have available.
3: C	Enforce Erosion Control Ordinance (C-1)	Report on number of enforcement orders/citations.	
3: C	Erosion Control Plan Review (C-2)	Review 100% of plans submitted.	
3: C	Construction Site Inspections (C-3)	Report number of construction site inspections.	
3: C	Construction General Permit Training (C-4)	Advertise training to staff as available.	
3: C	Stormwater Hotline for Receipt of Public Comment (C-5)	Report number of complaints.	
4: PC	Post Construction Ordinance (PC-1)	Report on number of enforcement orders/citations.	
4: PC	Post Construction BMP Manual (PC-2)	None planned.	'Year' is only three (3) months.
4: PC	Long Term Operation and Maintenance of BMPs (PC-3)	Map public infrastructure BMPs and priority clean up areas. Implement tracking of permanent privately maintained BMPs.	
4: PC	Sediment Control at City Facilities (PC-4)	Complete inspections.	

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
5: GH	Stormwater Pollution Prevention Training (GH-1)	Hold at least 1 training.	
5: GH	Used Tire and Battery Recycling (GH-2)	Report battery and tire quantities recycled.	
5: GH	Vehicle Washing (GH-3)	Clean sand grit trap at least once.	
5: GH	Vehicle Fueling (GH-4)	No UST system report planned.	'Year' is only three (3) months.
5: GH	Landscape and Lawn Care (GH-5)	Ensure at least 2 staff have a Pesticide Applicator License.	
5: GH	Roadway Cleaning (GH-6)	Clean 2,000 lane miles.	
5: GH	Storm Drain System Operation and Maintenance (GH-7)	Complete required inspections and cleaning. Develop GIS map of other areas requiring inspection and cleaning.	
5: GH	MS4 Facility Specific SOPs (GH-8)	Revise as needed and maintain SOP manual.	
5: GH	Used Oil Collection and Recycling (GH-9)	Report on volume of oil recycled.	

<b>MCM(s)</b>	<b>BMP</b>	<b>Stormwater Activity</b>	<b>Description/Comments</b>
5: GH	Airport Operations (GH-10)	Continue inspections and update maps if outfalls change.	
5: GH	City Facilities and Control Inventory (GH-11)	Provide assessment results for City facilities. Identify high priority facilities. Update GIS map as needed.	
5: GH	Municipal Operation and Maintenance Activities (GH-12)	Develop and implement a list of PP measures and/or structural controls and conduct visual inspections and perform maintenance.	
5: GH	Contractor Oversight (GH-13)	Develop standard contract language to be incorporated into City contracts and develop written Contractor oversight procedures. Report on the number of contracts issued.	
5: GH	Good Housekeeping Clean-up (GH-14)	Hold at least one annual clean up at high priority facilities.	
7 <sup>th</sup> MCM	Master Construction SWP3	Report number of construction activities permitted under 7 <sup>th</sup> MCM.	

**F. SWMP Modifications**

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

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

<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.

- Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land etc.):

**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 (Refer to the MS4 General permit TXR040000 Part IV Section B.2.(f)).

<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 some of its permit obligations? (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(g))

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: N/A

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

Yes  No

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

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 (Notices if intent and site notices received; Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(h)) \_\_\_\_\_

- 2a. Does the permittee utilize the optional 7<sup>th</sup> MCM related to construction?

Yes  No

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

The number of municipal construction activities authorized under this general permit	Approximately 95 construction activities utilizing the concrete batch plant and approximately 1359 total construction activities permitted under the master SWP3.
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

*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): Scott Taylor, P.E.

Title: Managing Director of Utilities and Public Works

Signature:  Date: 12/20/2018

Name of MS4: City of Tyler

**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).

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Wednesday, December 19, 2018

**Stormwater Management Program**

511 W. Locust Street  
Tyler, Texas, 75702  
Phone: 903-531-1085  
Fax: 903-531-1259  
[Send E-Mail](#)

**Best Management Practices**

**Activities for Kids**

**FAQs**

**Report Surface Water Quality Problems by calling the Stormwater Hotline at (903) 531-1393**

### About Stormwater

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.

### 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