

12/18/2019

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

Re: Phase II MS4 Annual Report Transmittal for **City of San Marcos**
TPDES Authorization: **TXR040485**

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 TXR040485 for the City of San Marcos.

The annual report is for Years 5 & 1. The reporting period's beginning October 1, 2018 and ending September 30, 2019.

A separate Notice of Change has not been submitted based on the fact that changes have not been proposed for the next permit year.

The Notice of Change was submitted to TCEQ's Applications Review and Processing Team (MC-148): (Select the addressed used)

BY REGULAR U.S. MAIL:
Texas Commission on Environmental Quality
Applications Review and Processing Team (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

BY OVERNIGHT/EXPRESS MAIL:
Texas Commission on Environmental Quality
Applications Review and Processing Team (MC-148)
12100 Park 35 Circle
Austin, TX 78753

As required by the general permit, a copy of the report has been mailed to the TCEQ's regional office 11 in Austin, Texas.

Sincerely,

Alexandra O'Connor
Stormwater Coordinator
City of San Marcos
512-805-2622
aoconnor@sanmarcostx.gov

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number **TXR040000**

A. General Information

Authorization Number: **TXR040485**

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

Annual Reporting Year Option Selected by MS4:

Calendar Year: _____

Permit Year: _____

Fiscal Year: **X** Last day of fiscal year: (**September 30, 2019**)

Reporting period beginning date: (**October 1, 2018**)

Reporting period end date: (**September 30, 2019**)

MS4 Operator Level: **3** Name of MS4: **City of San Marcos**

Contact Name: **Alex O'Connor** Telephone Number: **512-393-8036**

Mailing Address: **Public Services 630 E. Hopkins, San Marcos TX, 78666**

E-mail Address: **aoconnor@sanmarcostx.gov**

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

Region the annual report was submitted to: **TCEQ Region 11**

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

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: Public Education, Outreach & Involvement	Stormwater Quality Outreach Materials	Yes, distributing outreach materials to specific audiences can reduce the discharge of pollutants as it gives waste disposal solutions to residents and businesses within the City. Outreach materials distributed were specific to Household Hazardous Waste disposal, the importance of picking up pet waste, reducing the occurrence of illicit discharges and disposing of FOGs properly.

1: Public Education, Outreach & Involvement	Pet Waste Management in Parks	Yes. Pet waste collection locations reduces the amount of bacteria that enters our waterways. The pet waste dispensers encourage park users to pick up after their pets.
1: Public Education, Outreach & Involvement	Trash and Debris Management	Yes, the city hosted 61 clean up events and continued the curbside recycling program which reduces the amount of litter that enters our waterways and illegal dumping.
1: Public Education, Outreach & Involvement	Classroom Education	Yes. The City hosted 11 outdoor education camps which contained a water quality message appropriate for the youth. Teaching the youth instills the behavior of promoting water quality and the prevention of environmental pollutants.
1: Public Education, Outreach & Involvement	River Visitor Education	Yes. The Conservation Crew contacted 1991 river visitors and residents about the importance of water quality and stormwater awareness. The direct contact with visitors and residents will encourage them to reduce pollutants at home and while visiting the parks and river.
1: Public Education, Outreach & Involvement	Promoting San Marcos River Water Quality	Yes. The City posts the bacteriological test results from water samples. This informs residents about the health of the river and discourages people from polluting as that could lead to a higher bacteria count.
1: Public Education, Outreach & Involvement	Media Access for Stormwater Education	Yes. The City has the “Reduce Runoff” and “After the Storm” videos on the Stormwater Management web page. The City also plays the videos on local cable access. These videos provide stormwater education by reminding viewers that stormwater is not treated before it enters a waterbody which can influence viewers not to pollute. The videos can be found at: https://www.sanmarcostx.gov/298/Stormwater-Management

1: Public Education, Outreach & Involvement	Storm Drain Marking	Yes. Installing inlet markers on storm sewer inlets with the “No Dumping, Drains To River” message informs the public that stormwater is not treated before entering a waterbody. This can influence the public not to litter and manage yard and pet waste appropriately. The City also installs manhole covers in CIP and PICP projects with an image of a San Marcos Salamander with the message “Remember Your Friends in the Water.”
1: Public Education, Outreach & Involvement	Public Notice for SWMP Development	Yes, maintaining a record of public notice informs the public about the SWMP including how and why the City implements it.
1: Public Education, Outreach & Involvement	Community Cleanup Events	Yes, the City hosted the Annual Great Texas River Clean Up (Spring and Fall), Keep San Marcos Beautiful/Community Clean Ups (Hot Spot) and Adopt A Spot Clean Ups. These events allow the public to learn about the importance of water quality and pollution prevention techniques.
2: Illicit Discharge Detection & Elimination	Storm Sewer System	Yes, a complete system map can allow better tracking of illicit discharges including the discharge migratory track, high risk areas and areas that require increased inspections. The storm sewer map is updated as new/altered features are installed and/or discovered.
2: Illicit Discharge Detection & Elimination	Illicit Discharge Detection & Elimination Legal Authority	Yes, having an IDDE ordinance (which includes enforcement procedures) is essential to reducing stormwater pollution as it discourages the public to illegally discharge. Notification of the ordinance occurs through the City website, social media and via hand delivered flyers.

2: Illicit Discharge Detection & Elimination	Employee Information & Training	Yes. All new and additional who may come into contact with illicit discharges are trained. Training includes learning how to recognize and properly respond to illicit discharges. Understanding how to correctly recognize an illicit discharge can prevent a pollutant from entering a waterway.
2: Illicit Discharge Detection & Elimination	Septic System Ordinance	Yes. The City maintains an inventory, service records and annual audits of OSSF's within the City limits.
2: Illicit Discharge Detection & Elimination	Grease Trap Management (FOG Program)	Yes. The City continues to require grease traps for new establishments and enforces the provisions of the FOG ordinance. The FOG program helps reduce choked sewer lines which can lead to sanitary sewer overflows. Reducing SSO's to the maximum extent practicable can prevent receiving waters from being negatively affected.
2: Illicit Discharge Detection & Elimination	Inspect Sanitary Sewers on the Edwards Aquifer Recharge Zone	Yes. The City inspects sanitary sewers over the Recharge Zone. With the RZ being located in a highly susceptible infiltration area, inspections can prevent SSO's from entering the aquifer as they would determine whether maintenance was necessary.
2: Illicit Discharge Detection & Elimination	Sanitary Sewer Overflow Initiative (SSOI) Participation	Yes. The City has been a participant in the TCEQ SSOI program for the past 10 years. Participating in this program requires the City to evaluate and rehab the sanitary sewer system. This preventative maintenance helps reduce the risks of sanitary sewer overflows that would otherwise negatively affect receiving waterbodies.

2: Illicit Discharge Detection & Elimination	Proper Disposal of Household Hazardous Waste	Yes. Providing residents with a place to properly dispose of household hazardous waste will reduce the pollutant discharge potential (eg: pouring out old chemicals into storm sewer/on to the ground, throwing into a dumpster that may leak).
2: Illicit Discharge Detection & Elimination	Establish Written IDDE Procedures	Yes. Having written procedures which establish reporting, investigation and remediation in regards to illicit discharges can reduce the occurrence of stormwater pollution. Enforcement actions may be taken against violators which would deter them from causing an illicit discharge in the future.
3: Construction Site Stormwater Runoff Control	Active Construction Site Inventory	Yes. Having an active construction site inventory allows potential problem areas to be mapped. If discharges from sites were to occur, City staff would be able to isolate the discharge if it enters the active MS4.
3: Construction Site Stormwater Runoff Control	Construction Plan Review	Yes. Reviewing construction plans prior to dirt work ensures that erosion and sediment control plans are adequate to reduce stormwater pollution.
3: Construction Site Stormwater Runoff Control	Construction Site Compliance Monitoring	Yes. Inspecting sites during the construction process ensures that erosion and sediment controls are being maintained and other pollution prevention measures (per the SWP3) are utilized to prevent the release of stormwater pollutants.
3: Construction Site Stormwater Runoff Control	Training	Yes. Training contractors on the installation and maintenance of erosion and sediment controls will increase compliance on construction sites which can reduce the occurrence of pollutants entering the MS4.

3: Construction Site Stormwater Runoff Control	Written Procedures	Yes. Having written procedures requiring BMPs for construction sites will further enforce sites to prevent stormwater pollution. Written procedures cover plan review, pre-construction, SWP3 project start-up, site inspections and final inspections.
4: Post Construction Stormwater Management in New Development & Redevelopment	Long Term Maintenance of Post Construction Stormwater Controls	Yes. All properties with post construction BMPs (whether newly added or redeveloped) must file a "Maintenance Covenant" specific to the facility. Maintenance Covenants describe the maintenance schedule and activities to ensure that it is operating as originally designed. Facilities typically improve water quality as they capture pollutants before being discharged back into the MS4 or receiving waterbody.
4: Post Construction Stormwater Management in New Development & Redevelopment	Post Construction Site Inspection and Project Acceptance	Yes. Having a process which includes final walk-throughs and inspections to ensure that sites are built per the plans and revegetated can reduce the discharge of pollutants. If water quality and/or water storage BMPs are built per the plans, they will capture pollutants before entering the aquifer and/or a waterbody.
4: Post Construction Stormwater Management in New Development & Redevelopment	Written Procedures	Yes. The City of San Marcos Stormwater Technical Manual and the Land Development Code indicate when and where certain post construction BMPs are required. These requirements also enforce higher water quality volume treatment through the use of post construction BMPs within sensitive areas (e.g. EAZ, San Marcos River Corridor).
5: Pollution Prevention & Good Housekeeping for Municipal Operations	Municipal Facilities & Stormwater Control Inventory	Yes. Maintaining an active inventory of City facilities provides the ability to assess the pollutant discharge potential of each location. Understanding the pollutant discharge potential can help assess and/or maintain the existing stormwater controls.

5: Pollution Prevention & Good Housekeeping for Municipal Operations	Training & Education	Yes. Training City staff in Pollution Prevention & Good Housekeeping increases awareness of potential stormwater pollution during municipal operations. This training gives a better understanding on how operations and equipment storage can contribute to stormwater pollution and provides better workplace habits in regards to pollution prevention.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	High Priority Facility-Specific SOPs	Yes. Having facility specific Standard Operating Procedures gives employees' best management practices for reducing stormwater pollution during municipal operations. Each high priority facility carries a SOP book specific to their site. Periodic inspections of high priority facilities ensure that SOPs remain current and applicable.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	High Priority Facility Stormwater Controls	Yes. Having stormwater controls in the forms of good housekeeping procedures, spill prevention and response plans (SOPs) for vehicles and equipment (fueling, maintenance/washing) can ensure that pollutants from municipal operations are not entering the storm sewer.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	City Operations Assessment	Yes. Having procedures and documentation for inspecting pollution prevention measures ensures that inspection are done consistently and thoroughly with the goal of keeping surface waters free of pollutants.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	Storm Sewer Operation & Maintenance	Yes. Inspecting and cleaning inlets and storm sewer lines weekly ensures that the system is operating properly and pollutants are being removed before discharging into water bodies. A hot-spot map (in regards to areas prone to illegal dumping, illicit discharges and sediment accumulation) keeps staff informed as to which areas need more frequent inspections and/or maintenance.

5: Pollution Prevention & Good Housekeeping for Municipal Operations	Street Sweeping	Yes. Sweeping streets in the City removes sediment and other pollutants from the street, preventing them from entering a water body.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	Post Construction Site Inspection and Project Acceptance	Yes. Conducting inspections to ensure that projects have been built to specifications (including revegetation) before acceptance will ensure that problems associated with stormwater pollution (e.g. sites with bare ground) will not occur.
5: Pollution Prevention & Good Housekeeping for Municipal Operations	Waterway Litter Removal	Yes. Conducting litter removals underwater (San Marcos River) and within drainageways adjacent to the San Marcos River will remove pollutants and materials that may be harmful to local species.

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	Stormwater Quality Outreach Materials	Distribute Household Hazardous Waste informational brochures	10,000	Brochures	No, this BMP does not directly reduce pollutants. Giving residents a place to properly dispose of their HHW prevents them from dumping chemicals onto land or down a storm drain.
1	Stormwater Quality Outreach Materials	Distribute brochures containing river and watershed water quality information	120	Brochures	No, this BMP does not directly reduce pollutants. Educating the public about the benefits of protecting the river and watershed will influence them to dispose of materials properly and not pollute. Understanding that watersheds/streams are used for drinking water, recreation and species habitat reinforces the positive behavior.

1	Stormwater Quality Outreach Materials	Distribute informational door hangers to residents after storm sewer cleaning	455	Door hangers/ brochures	No, this BMP does not directly reduce pollutants. Door hangers are distributed to homes near where the storm sewer system (inlets & lines) has been cleaned. The door hangers inform residents and businesses that pollutants were found in their area. The door hanger also lists ways to prevent pollution and the main phone number to report pollutant discharges.
1	Stormwater Quality Outreach Materials	FOG utility bill inserts	24,638	17,635 mailed out brochures 7003 electronic brochures	No, this BMP does not directly reduce pollutants. The insert ("Fat-Free Sewers") educates residents and businesses about the importance of disposing their FOG's; it can cause an SSO leading to stormwater pollution.
1	Pet Waste Management in Parks	Pet waste bag distribution	100,000	Bags	Yes, this BMP directly reduces pollutants. Having pet waste bag dispensers in City Parks encourages visitors to pick up pet waste, preventing it from getting into the San Marcos River.
1	Trash and Debris Management	Host and advertise 4 community clean-up events	4	Events	Yes, this BMP directly reduces pollutants. Giving residents a way to properly dispose of items that are not typically collected by local garbage disposal companies will prevent the occurrence of illegal dumping.
1	Trash and Debris Management	Continue curbside recycling program	11,500	Participants	Yes, this BMP directly reduces pollutants. Residents can dispose of material properly instead of littering.

1	Classroom Education	Conduct a minimum of 4 outdoor education camps a year	11	Events	No, this BMP does not directly reduce pollutants. Educating the youth can reinforce the idea of how pollution can negatively affect the environment and how students can make better choices by preventing pollution.
1	River Visitor Education	Report the number of people contacted annually about stormwater and water quality	800 people at the Discovery Center 1101 at the San Marcos River	Communication/Visitors	No, this BMP does not directly reduce pollutants. Educating Discovery Center and river visitors about stormwater pollution and water quality can influence them to be mindful about activities that could otherwise have potential to pollute water (e.g. carrying a mesh bag for trash while tubing, cleaning their space after laying out at the river, and picking up after their pet).
1	Promoting San Marcos River Water Quality	Post bacteriological test result sampling	1	Website post	No, this BMP does not directly reduce pollutants. Testing the water for bacteria and posting the results can inform residents how water quality can change over short periods of time. This can also allow residents to see how water quality is affected by rainfall and can influence them to prevent their pollutants (ex: pet waste) from being washed into the MS4.

1	Media Access for Stormwater Education	Promote “Reduce Runoff” and “After the Storm” videos on the City’s website.	2	Videos	No, this BMP does not directly reduce pollutants. These videos identify possible sources of stormwater pollution and how people can reduce the occurrence of it.
1	Media Access for Stormwater Education	Promote “Reduce Runoff” and “After the Storm” videos on cable access TV	“Reduce Runoff” played 363 times “After the Storm” played 367 times	Videos	No, this BMP does not directly reduce pollutants. These videos identify possible sources of stormwater pollution and how people can reduce the occurrence of it.
1	Storm Drain Marking	Purchase inlet markers	60	Metal Markers	No, this BMP does not directly reduce pollutants. When installed on an MS4 inlet, it reminds the public that anything that enters that inlet drains to the river (pollutant removal does not occur). This can make the public think twice before littering.

1	Storm Drain Marking	Stencil 25 inlets per year with volunteers	Installed 72 markers on 11/2/2018 and 37 markers on 9/20/2019	Event	No, this BMP does not directly reduce pollutants. Installing the metal markers over inlets with the “No dumping, drains to river” message reminds the public that stormwater is not treated before it enters a waterbody. Using volunteers to install the markers provides a direct audience to reiterate the above message. These volunteers also have the potential to relay the message to friends and family.
1	Storm Drain Marking	Install redesigned manhole covers in new installations	1	Project	No, this BMP does not directly reduce pollutants. Installing manhole covers on new construction sites with the “Remember your friends in the water message” (which includes an image of the San Marcos Salamander) informs the public that anything that enters that manhole/inlet is not treated and goes directly into local waterbodies.
1	Public Notice for SWMP Development	Maintain a record of the public notice and method of advertisement	1	Record	No, this BMP does not directly reduce pollutants. This BMP informs residents that the City has a stormwater management plan which may lead to further research into the plan or becoming involved with the stormwater program.

1	Community Clean Up Events	Conduct the Annual San Marcos River Clean-Up	1	Event	Yes, this BMP directly removes pollutants. The river cleanup removes litter from the San Marcos River, tributaries and watersheds while helping the community understand the importance of water quality.
1	Community Clean Up Events	Conduct KSMB and Bobcat Build events	12	Events	Yes, this BMP directly removes pollutants. The Community and Hot Spot Clean-Ups remove litter from the San Marcos River, tributaries and watersheds while helping the community understand the importance of water quality.
1	Community Clean Up Events	Adopt A Spot program adoptions/trash collected	18 (7 new for year 5)	Adopted Spots	Yes, this BMP directly removes pollutants. The Adopt A Spot clean-ups remove litter from the San Marcos River, tributaries and watersheds while helping residents and organizations understand the importance of water quality in their communities/neighborhoods.
2	Storm Sewer System Mapping	Map 20% of the storm system each year	100%	Mapped Infrastructure	No, this BMP does not directly reduce pollutants. Having a map of the system will ensure that response to illicit discharges can be traced quickly and remediated.
2	Storm Sewer System Mapping	Update the storm sewer system with new, altered and newly discovered features	100%	Mapped Infrastructure	No, this BMP does not directly reduce pollutants. Updating the map of the system with newly discovered features will ensure that response to illicit discharges can be traced quickly and remediated and can help determine if cross connections have been made.

2	Illicit Discharge Detection and Elimination Legal Authority	Notify residents, businesses, and industries of illicit discharge ordinance and investigation and enforcement procedures using website, utility bill inserts and other public notice means	3 Social Media Posts 155 Flyers	Notification	No, this BMP does not directly reduce pollutants. Letting residents and businesses know of the IDDE ordinance and enforcement procedures will encourage them to dispose of materials appropriately to maintain good water quality.
2	Illicit Discharge Detection and Elimination Legal Authority	Implement reporting procedures and enforcement of the illicit discharge regulations	1	Program	No, this BMP does not directly reduce pollutants. Implementing reporting and enforcement procedures will ensure that discharges can be responded to appropriately.
2	Employee Information and Training	Conduct training for new and additional employees	73	Employees Trained	No, this BMP does not directly reduce pollutants. Training employees on reducing and responding to discharges may reduce the occurrence of illicit discharges.
2	Septic System Ordinance	Maintain inventory, records, and audits of OSSF in the City limits	6 new OSSF for year 5 618 total	OSSFs	No, this BMP does not directly reduce pollutants. Keeping an inventory, records, and performing audits ensures that OSSFs are functioning properly which reduces system failures that lead to pollution.
2	Grease Trap Management (FOG Program)	Require grease traps for new establishments and enforce FOG ordinance	238	Inspections	Yes, this BMP directly reduces pollutants. Requiring grease traps reduces the amount of grease entering the sanitary sewer system which reduces overflows.

2	Inspect Sanitary Sewers on the Edwards Aquifer Recharge Zone	Conduct inspections of sanitary sewers on the EARZ at 5 year intervals	64,484.77 (linear feet)	Inspections	Yes, this BMP directly reduces pollutants. Inspecting and maintaining sanitary sewers over the EARZ will reduce SSO's in an area with karst features which protects the aquifer.
2	Sanitary Sewer Overflow Initiative (SSOI) Participation	Continue the program of SSES and rehab and repair projects	13,149 linear feet of replaced pipe 83 manholes replaced/rehabbed 193 cleanouts repaired	Program	Yes, this BMP directly reduces pollutants. Inspecting lines and performing repair/rehab projects reduces the chance of leaks and breaks which reduces pollution.
2	Proper disposal of Household Hazardous Waste	Collect HHW on designated dates and report the number of participants	794	Participants	Yes, this BMP directly reduces pollutants. Giving residents an outlet to dispose of HHW properly reduces the chance that illegal dumping of these materials will occur.
2	Establish Written IDDE Procedures	Develop and maintain written procedures for implementing the BMPs for IDDE	1	Program	No, this BMP does not directly reduce pollutants. Having an IDDE ordinance and Standard Operating Procedure with regards to recognizing, responding, reporting and remediating IDDE's (including enforcement procedures) can reduce the occurrence of IDDEs and prevent continuous violators.

3	Review and Maintain Legal Authority for Construction Site Runoff Control	Implement the system for active private and public construction sites.	1	Database	No, this BMP is does not directly reduce pollutants. Having a “hot spot” dashboard that is connected to our GIS software displays the active construction site inventory. Having this inventory can allow the City to see if any discharges from these sites entered the MS4.
3	Construction Plan Review	Continue to require submission of construction plans for review to verify compliance with temporary erosion control ordinances for new development and redevelopment	1166 Site/CIP /PICP	Review	No, reviewing plans does not directly reduce pollution, but it gives reviewers a chance to ensure that erosion and sedimentation plans are designed properly and will be effective.
3	Construction Site Compliance Monitoring	Continue to inspect construction sites for erosion and sedimentation control BMPs	53 PICP 1391 Site	Inspections	Yes, inspecting sites for erosion control BMPs directly reduces pollutants. Inspections ensure that controls are in place and maintained per the SWP3 plan/City ordinances.
3	Training	Conduct annual training sessions for contractors and city staff	2	Training Sessions	No, this BMP does not directly reduce pollution, but it does educate contractors about proper use of BMPs and the City’s ordinances and enforcement procedures.
3	Written Procedures	Develop and maintain written procedures for implementing the BMPs for construction activities	2 procedures (Sites, CIP/PICP) 1 checklist (WPP/Site/PI CP)	Procedures & Review Checklist	Yes, this BMP directly reduces pollutants. Requiring construction sites to install BMPs will prevent offsite discharges to the MS4.

4	Long Term Maintenance of Post Construction Stormwater Control Measures	Establish criteria and procedures through which structural stormwater control measures may be accepted for City maintenance	1	Criteria/ Procedure	No, this BMP does not directly reduce pollutants. This BMP will reduce pollutants once it is accepted by the City. Once accepted by the City, PCBMPs will be inspected annually and maintained as necessary (per the design plans or RG-348).
4	Long Term Maintenance of Post Construction Stormwater Control Measures	Establish criteria and procedures for private maintenance of structural stormwater controls	1	Criteria/ Procedure	No, this BMP does not directly reduce pollutants. All new development (as of 2017) are required to file a "Maintenance Covenant" with the City in regards to PCBMPs. Annual inspections of all existing post construction BMPs must also be performed per City Code of Ordinances. The Maintenance Covenants describe the type of maintenance and frequency to keep PCBMPs operating as they were originally designed and the annual inspections requirement must be reported to the MS4 staff as proof that maintenance has been occurring. Having PCBMPs operate as designed will ensure that they are capturing pollutants and preventing them from entering the MS4/local waterbodies.

4	Post Construction Site Inspection and Project Acceptance	Post construction inspection of private construction sites for revegetation/ maintenance bond or deferred landscape agreement	1	Procedure	No, this BMP does not directly reduce pollutants. Having post construction procedures ensures that properties have been revegetated to prevent erosion and are constructed per their design plans.
4	Written Procedures	Develop and maintain written procedures for implementing the BMPs for new development and re-development	2 (Land Development Code and the Stormwater Technical Manual)	Criteria	Yes, this BMP directly reduces pollutants. Requiring either water quality and/or detention in certain areas of the City (i.e. over the Edwards/within the San Marcos River Corridor) will reduce the TSS and prevent other pollutants from entering local waterbodies and the aquifer.
5	Municipal Facilities and Stormwater Control Inventory	Map municipal facilities and stormwater controls inventoried	1	Map	No, this BMP does not directly reduce pollutants. Having City facilities mapped allows MS4 staff to spatially analyze if stormwater controls are adequate in relation to the MS4 and/or waterbodies.
5	Municipal Facilities and Stormwater Control Inventory	Assess the pollutant discharge potential of each facility	50	Assessments/ Inspection	No, this BMP does not directly reduce pollutants. Having City facilities inspected allows MS4 staff to determine if stormwater controls are adequate in relation to the MS4 and/or waterbodies.

5	Municipal Facilities and Stormwater Control Inventory	Document the results of each assessment	50	Assessments/ Inspection Reports	No, this BMP does not directly reduce pollutants. Having City facilities inspected allows MS4 staff to determine if stormwater controls are adequate in relation to the MS4 and/or waterbodies. The inspection reports also provide recommended solutions with follow up inspections to ensure that recommendations were addressed.
5	Training and Education	Develop a training program including materials and internal reporting forms and procedures	1	Training video, inventory of employees trained, form of understanding and certificates	No, this BMP does not reduce pollutants. Training and educating employees on best practices will help reduce pollution from municipal operations. Training is done through a City made YouTube video that is emailed to employees. After watching the training video, employees must sign a statement saying that they have watched the video. All trained employees and tracked on a spreadsheet indicating when they watched the video, Certificates are also handed out.
5	Training and Education	Develop a training schedule and conduct training of identified personnel	124	Employees Trained	No, this BMP does not directly reduce pollutants. Training and educating employees on best practices will help reduce pollution from municipal operations.
5	High Priority Facility Specific SOPs	Develop facility specific SOPs that identifies BMPs to be installed, implemented and maintained	8	Standard Operating Procedures	No, this BMP does not directly reduce pollutants. Having SOPs for high priority facilities in place allows the City to establish goals in regards to maintaining good housekeeping procedures in municipal operations to prevent stormwater pollution to the fullest extent.

5	High Priority Facility Specific SOPs	Maintain hard or electronic copy of each facility specific SOP	11	Locations	No, this BMP does not directly reduce pollutants. Having facility specific SOPs located at "High Priority" facilities gives staff at these locations guidelines on how to prevent pollution during municipal operations.
5	High Priority Facility Specific SOPs	Develop and implement a program of periodic inspections of high priority facilities and document the results of the inspections	1	Program	No, this BMP does not directly reduce pollutants. Having high priority City facilities inspected (initial in 2016, follow-up then second in 2019 with follow up) allows MS4 staff to determine if stormwater controls are adequate in relation to the MS4 and/or waterbodies. The inspection reports also provide recommended solutions with follow up inspections to ensure that recommendations were addressed.
5	High Priority Facility Stormwater Controls	Establish general good housekeeping procedures	19 1 GHPP Program	Standard Operating Procedures/ Program	No, this BMP does not directly reduce pollutants. Having a GHPP Program in place allows the City to establish goals in regards to maintaining good housekeeping procedures in municipal operations to prevent stormwater pollution.
5	High Priority Facility Stormwater Controls	Develop a spill prevention and response plan for vehicle and equipment fueling a maintenance locations	1	Standard Operating Procedure	No, this BMP does not directly reduce pollutants. Having an SOP with regards to spill prevention/response for vehicle and equipment fueling and maintenance can prevent stormwater pollution.
5	High Priority Facility Stormwater Controls	Develop equipment and vehicle washing SOPs to ensure that wastewater is not discharged	1	Standard Operating Procedure	No, this BMP does not directly reduce pollutants. Having an SOP with regards to washing vehicles and equipment and maintenance can prevent stormwater pollution.

5	City Operation Assessment	Develop procedures and documentation for inspection of pollution prevention measures at City owned facilities	1	Program/ Inspection Checklist	No, this BMP does not directly reduce pollutants. Having a City wide program with (inspection checklists) which subjects all City facilities to periodic inspections allows MS4 staff to determine if stormwater controls are adequate in relation to the MS4 and/or waterbodies. The inspection reports also provide recommended solutions with follow up inspections to ensure that recommendations were addressed.
5	City Operation Assessment	Perform inspections of pollution prevention measures at City owned and operated facilities	50	Inspections	No, this BMP does not directly reduce pollutants. Having City facilities inspected allows MS4 staff to determine if stormwater controls are adequate in relation to the MS4 and/or waterbodies. The inspection reports also provide recommended solutions with follow up inspections to ensure that recommendations were addressed.
5	Stormsewer System Operations and Maintenance	Continue the City's storm sewer maintenance program for inspecting and cleaning of inlets and storm sewers	674 inlets inspected 7,512 linear feet of storm sewer pipe cleaned 14,040 linear feet of channel cleaning	Inspections/ Maintenance/ Cleaning	Yes, this BMP directly reduces pollutants through a systematic inspection program followed up with cleaning inlets and pipe before pollutants can enter receiving waters.
5	Stormsewer System Operations and Maintenance	After completion of the storm sewer system map, identify areas of increased inspection to detect accumulations of sediment, debris or illegal dumping	1	Map	No, this BMP does not directly reduce pollutants. Having a hot spot map showing where illicit discharges have been found (especially in relation to construction sites, restaurants, businesses, etc...) gives MS4 staff the information needed for areas requiring more frequent inspections and/or maintenance.

5	Street Sweeping	Continue sweeping up to 310 lane miles of arterials, collectors and residential streets each year	Continue sweeping up to 310 (724 for year 1) lane miles of arterials, collectors, and residential streets each year	3,767 lane miles swept	Yes, street sweeping directly reduces pollutants by removing debris and sediment before it enters the MS4 or local waterbodies.
5	Post Construction Site Inspection and Project Acceptance	Continue to conduct warranty inspections of public infrastructure projects for conformance with contract specifications for revegetation	13	Inspections	Yes, this BMP directly reduces pollutants. Ensuring that construction sites have the required revegetation prior to project acceptance reduces the amount of sediment entering the MS4
5	Post Construction Site Inspection and Project Acceptance	Continue to conduct post construction inspection of private construction sites for revegetation or maintenance bond or deferred landscape agreement	14 Sites	Inspections	Yes, the BMP directly reduces pollutants. Ensuring that private construction sites have adequate vegetation or an alternative mechanism in place reduces the amount of sediment entering the MS4
5	Waterway Litter Removal	Conduct quarterly underwater litter removals downstream of City Park to Thompson's Island	Once a month (January-April) 8-10 times a month (May-September)	Events	Yes, this BMP directly removes pollutants. This program removes litter from the San Marcos River while helping the community understand the importance of water quality.
5	Waterway Litter Removal	Conduct quarterly litter pickups in drainageways adjacent to the San Marcos River	4	Events	Yes, this BMP directly removes pollutants. This program removes litter from the San Marcos River, tributaries and watersheds while helping the community understand the importance of water quality.

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.
1	Distribute HHW information brochures at community events and on the city's website	Met goal; distributed 10,000 HHW brochures.
1	Distribute brochures containing river and watershed water quality information to visitors and students at the Nature Center	Met goal; a display containing brochures is available at the Discovery Center (formerly the Nature Center). 120 brochures were distributed.
1	Distribute informational door hangers to residents following local storm sewer cleaning	Met goal; 455 door hangers were distributed.
1	Annual utility bill inserts for FOG and "What Not to Flush"	Met goal; 17,635 brochures were mailed and 7003 electronic brochures were distributed.
1	Record number of pet waste collection bags distributed annually	Met goal; 100,000 bags were distributed.
1	Host and advertise 4 community clean-up events per year	Met goal; 4 events were hosted.
1	Continue curbside recycling program	Met goal; 11,500 participants.

1	Conduct minimum of 4 outdoor education camps per year	Exceeded goal; 11 events were held.
1	Report the number of visitors contacted by the Conservation Crew	Met goal; 800 people at the Discovery Center and 1101 at the San Marcos River were contacted.
1	Post bacteriological test results monthly	Met goal; the results were posted monthly.
1	Promote "Reduce Runoff" and "After the Storm" videos on website	Met goal; the videos are available on the city's website.
1	Provide "Reduce Runoff" and "After the Storm" videos for public access cable TV	Met goal; "Reduce Runoff" played 363 times and "After the Storm" played 367 times between October 1, 2018 and September 30, 2019.
1	Purchase inlet markers	Met goal; 60 inlet markers were purchased.
1	Stencil 25 inlets per year with volunteers	Exceeded goal; installed 72 markers on 11/2/2018 and 37 markers on 9/20/2019.
1	Install redesigned manhole covers in new installations	Met goal; installed manhole covers on 1 project.
1	Maintain a record of the public notice and method of advertisement	Met goal; on file at the Public Services building and the City of San Marcos Library.
1	Conduct the annual San Marcos River Cleanup	Met goal; 1000 volunteers, collected 31,377 lbs. of trash and 10,480 lbs. of recyclables and 16 tires from local watersheds. Canoers collected 40 cubic yards of trash and 2,570 pounds of recycling from the San Marcos River.
1	Conduct Keep San Marcos Beautiful and Bobcat Build events	Met goal; volunteers collected a total of 13,100 pounds of trash and 4,030 pounds of recycling for the Community Clean-Ups and Hot Spot events.

1	Adopt a Spot program adoptions/trash collected	Met goal; 478 volunteers' collected 100 bags of trash, 56 bags of recycling and 31 bags of compost materials.
2	Map 20% of the City's storm sewer system and outfalls each year	Exceeded goal; 100% of the system is mapped.
2	Update the storm sewer system map with new/ altered and newly discovered storm sewer features	Met goal; 100% of the system is mapped.
2	Notify residents, businesses, and industries of the illicit discharge ordinance and investigation and enforcement procedures using the city's website, utility bill inserts, and other public notice means	Met goal; 5 social media posts were made available to 35,277 users, 155 flyers were distributed to local residents and businesses.
2	Implement reporting procedures and enforcement of illicit discharges and other reporting requirements of the SWMP.	Met goal; procedures are in place.
2	Conduct training for new and additional employees.	Met goal; a schedule was developed and 73 identified personnel were trained.
2	Maintain the inventory; service records; and annual audit of OSSF's within the city limits	Met goal; 6 new OSSFs were installed, totaling 618.

2	Continue to require grease traps for new establishments and to enforce the provisions of the FOG ordinance	Met goal; 238 grease trap inspections were performed.
2	Conduct inspections of sanitary sewers on the EARZ at 5 year intervals	Met goal; 64, 484.77 linear feet of pipe was inspected between October 1, 2013 - December 13, 2018.
2	Continue the program of Sanitary Sewer Evaluation Studies (SSES) and sewer rehabilitation and repair projects	Met goal; 13,149 linear feet of pipe was replaced, 83 manholes were rehabilitated/replaced and 193 cleanouts were repaired.
2	Collect HHW on designated dates and report number of participants	Met goal; HHW is open on Tuesdays and Fridays from 12pm-3:30pm. 794 people participated in the HHW drop-off.
2	Develop and maintain written procedures for implementing the BMPs for IDDE	Met goal; procedures have been developed and implemented.
3	Implement the system for active private and public construction sites	Met goal; the system for maintaining record of active construction sites has been implemented.
3	Continue to require submission of construction plans for review to verify compliance with temporary erosion control ordinances for new development and redevelopment	Met goal; 1166 plans (site, CIP, PICP) were reviewed.
3	Continue to inspect construction sites for erosion and sedimentation control BMPs	Met goal; 53 PICP and 1391 sites were inspected.

3	Conduct annual training sessions for contractors and City staff	Met goal; 2 annual training session for contractors and City staff were held.
3	Develop and maintain written procedures for implementing the BMPs for construction activities	Met goal; 2 procedures (for Sites/CIP/PICP) and 1 checklist (WPP/Sites/PICP) were developed.
4	Establish criteria and procedures through which structural stormwater control measures may be accepted for City maintenance	Met goal; criteria/procedures have been established to determine when post construction BMPs will be accepted for City maintenance.
4	Establish criteria and procedures for private maintenance of structural stormwater controls	Met goal; Maintenance Covenants are required for all new and re-development of privately owned post construction BMPs. Annual inspections of all existing post construction BMPs must be performed per City Code of Ordinances.
4	Post construction inspection of private construction sites for revegetation/ maintenance bond or deferred landscape agreement	Met goal; a procedure has been established.
4	Development and maintain written procedures for implementing the BMPs for new development and re-development	Met goal; the Land Development Code and the Stormwater Technical Manual contain written procedures/criteria requiring the installation of water quality and/or water storage within certain areas of the City.
5	Map municipal facilities and stormwater controls inventoried	Met goal; all municipal facilities have been mapped and stormwater controls have been inventoried by assessments/inspections.
5	Assess the pollutant discharge potential of each facility	Met goal; the pollutant discharge of each City owned facility has been assessed and recommendations have been made to reduce the pollutant discharge potential.
5	Document the results of the assessment	Met goal; the pollutant discharge of each City owned facility has been assessed and recommendations have been made to reduce the pollutant discharge potential. This has been documented through photos and inspection reports.

5	Develop a training schedule and conduct training of identified personnel	Met goal; a training schedule was developed and identified personnel have been trained in Pollution Prevention and Good Housekeeping.
5	Conduct training for new and additional employees	Met goal; 124 employees were trained
5	Develop facility specific SOPs that identifies BMPs to be installed, implemented and maintained	Met goal; 19 facility specific SOPs have been developed.
5	Maintain a hard copy of each facility specific SOP	Met goal; 46 facilities have a hard copy of the facility specific SOP and managers have an electronic copy.
5	Develop and implement a program of periodic inspections of high priority facilities and document the results of the inspections	Met goal; a program is in place to periodically inspect high priority facilities. High priority facilities have been inspected twice and dependent on the result, some have had follow up inspections.
5	Establish general good housekeeping procedures	Met goal; SOPs have been established.
5	Develop a spill prevention and response plan for vehicle and equipment fueling a maintenance locations	Met goal; this SOP has been developed.
5	Develop equipment and vehicle washing SOPs to ensure that wastewater is not discharged	Met goal; this SOP has been developed.

5	Develop procedures and documentation for inspection of pollution prevention measures at City owned facilities	Met goal; procedures and inspection report templates have been developed.
5	Perform inspections of pollution prevention measures at City owned and operated facilities	Met goal; 50 inspections were performed.
5	Continue the City's storm sewer maintenance program for inspecting and cleaning of inlets and storm sewers	Met goal; 674 inlets were inspected and 7,512 linear feet of storm sewer pipe and 14,040 linear feet of channels were cleaned.
5	After completion of the storm sewer system map, identify areas of increased inspection to detect accumulations of sediment, debris or illegal dumping	Met goal; a hot spot map has been developed.
5	Continue sweeping up to 310 (724 for year 1 of unapproved SWMP) lane miles of arterials, collectors and residential streets each year	Exceeded goal; swept 3,767 lane miles.
5	Continue to conduct warranty inspections of public infrastructure projects for conformance with contract specifications for revegetation	Met goal; 13 warranty inspections were performed.

5	Continue to conduct post construction inspection of private construction sites for revegetation or maintenance bond or deferred landscape agreement	Met goal; 14 sites were inspected for
5	Conduct quarterly underwater litter removals downstream of City Park to Thompson's Island	Exceeded goal; underwater litter removals occurred once a month from January-April and 8-10 times a month from May until September. A total of 248.97 cubic feet of trash was removed.
5	Conduct quarterly litter pickups in drainageways adjacent to the San Marcos River	Met goal; 4 events occurred and 4,459 cubic feet of trash was removed.

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.?

- **Inlet inspections:** 674
- **Storm sewer pipe cleaning:** 7,512 linear feet
- **Channel cleaning:** 14,040 linear feet
- **Water quality work orders (inspections/maintenance):** 75
- **Illicit discharge investigations:** 45
- **Street sweeping:** 3,767 lane miles
- **Weekly river sampling for E.coli (see tables below):**

San Marcos River Sampling <i>E. coli</i> Results 2018									
Sample Date	Sample by	S.L. Hotel	City Park	Rio Vista	I-35 Bridge	Upstream of WWTP	Downstream of WWTP	Average	Qualifier
1/4/2018	WQ	<1	57	96	78	77	162	94	
1/8/2018	Env Health	<1	1011	50	99	82	56	259.6	
1/9/2018	Env Health		33	24				28.5	
1/17/2018	WQ	<1	50	28	19	20	34	30.2	
1/23/2018	Env Health	<1	162	135	80	68	78	104.6	
1/29/2018	WQ	<1	46	162	142	122	159	126.2	
2/5/2018	Env Health	<1	62	49	60	68	56	59	
2/12/2018	WQ	2	32	119	93	69	84	66.5	
2/20/2018	Env Health	<1	40	144	78	105	96	92.6	
2/26/2018	WQ	<1	44	31	38	50	52	43	
3/12/2018	WQ	<1	42	74	72	86	84	71.6	
3/19/2018	Env Health	3	73	131	86	74	86	75.5	
3/26/2018	WQ	2	19	43	38	73	54	38.16667	
4/2/2018	Env Health	17	30	54	91	115	111	69.66667	
4/9/2018	WQ	2	13	49	77	83	66	48.33333	
4/16/2018	Env Health	1	18	**	43	46	60	33.6	
4/23/2018	WQ	2	25	63	72	69	55	47.66667	
4/30/2018	Env Health	<1	219	35	115	44	41	90.8	
5/7/2018	WQ	5	31	69	79	86	96	61	
5/14/2018	Env Health	2	32	37	44	49	58	37	
5/22/2018	WQ	<1	6	57	41	60	70	46.8	
5/25/2018	Env Health	<1	34	31	76	84	71	59.2	
6/5/2018	WQ	5	16	38	28	57	35	29.83333	
6/11/2018	Env Health	6	21	44	32	50	40	32.16667	
6/18/2018	WQ	2	46	84	162	201	185	113.3333	
6/26/2018	Env Health	2	13	34	33	50	60	32	
7/2/2018	WQ	3	13	48	48	96	65	45.5	
7/9/2018	Env Health	2	17	72	96	115	161	77.16667	
7/16/2018	WQ	53	548	65	58	86	66	146	
7/18/2018	WQ		31	65	73			56.33333	
7/23/2018	Env Health	5	20	48	68	93	96	55	
7/30/2018	WQ	<1	10	75	77	65	53	56	
8/6/2018	Env Health	2	no data	74	56	62	73	53.4	
8/14/2018	WQ	3	29	76	225	517	291	190.1667	
8/16/2018	WQ			73	96	82	102	88.25	
8/20/2018	Env Health	<1	17	31	47	73	71	47.8	
8/27/2018	WQ	<1	24	50	56	67	69	53.2	
9/24/2018	WQ	8	41	66	70	411	248	140.6667	
9/25/2018	WQ				102	84	91	92.33333	
10/2/2018	Env Health	4	79	108	144	105	no data	88	
10/8/2018	WQ	12	77	86	96	115	130	86	
10/22/2018	WQ	17	150	102	118	119	83	98.16667	
10/30/2018	Env Health	<1	77	111	110	86	83	93.4	
11/5/2018	WQ	18	75	117	126	210	122	111.3333	
11/13/2018	Env Health	<1	55	93	86	79	72	77	
11/19/2018	WQ	2	67	161	99	84	70	80.5	
11/26/2018	Env Health	<1	96	62	126	127	88	99.8	
12/3/2018	WQ	<1	78	57	141	71	57	80.8	
12/11/2018	Env Health	2	43	61	117	66	112	66.83333	
12/17/2018	WQ	9	79	291	161	126	88	125.6667	

San Marcos River Sampling <i>E. coli</i> Results 2019									
Sample Date	Sample by	S.L. Hotel	City Park	Rio Vista	I-35 Bridge	Upstream of WWTP	Downstream of WWTP	Average	Qualifier
1/7/2019	Env Health	4	345	210	119	161	101	156.667	
1/9/2019	Env Health		24	32	43	38		34.25	
1/14/2019	WQ	<1	68	93	86	65	70	76.4	
1/22/2019	Env Health	<1	88	115	56	54	74	77.4	
1/28/2019	WQ	<1	58	157	144	109	75	108.6	
2/11/2019	WQ	<1	44	81	86	77	50	67.6	
2/18/2019	WQ	<1	36	33	48	44	33	38.8	
2/25/2019	WQ	<1	40	65	51	42	48	49.2	
3/4/2019	WQ	1	28	71	51	68	69	48	
3/11/2019	WQ	2	42	69	46	60	51	45	
3/18/2019	WQ	2	84	184	111	90	111	97	
3/26/2019	WQ	<1	73	104	91	71	78	83.4	
4/1/2019	WQ	<1	57	96	73	50	46	64.4	
4/9/2019	WQ	1	26	93	146	210	142	103	
4/15/2019	WQ	<1	32	44	69	53	61	51.8	
4/22/2019	WQ	<1	27	63	37	70	60	51.4	
4/29/2019	WQ	2	12	88	36	54	73	44.1667	
5/13/2019	WQ	1	20	96	102	59	73	58.5	
5/20/2019	WQ	1	24	21	44	57	43	31.6667	
5/28/2019	WQ	<1	10	16	27	24	25	20.4	
6/3/2019	WQ	<1	6	24	49	40	35	30.8	
6/11/2019	WQ	<1	23	47	57	64	31	44.4	
6/18/2019	WQ	<1	84	31	39	40	56	50	
6/24/2019	WQ	2	15	40	38	55	44	32.3333	
7/1/2019	WQ	<1	15	15	29	39	61	31.8	
7/8/2019	WQ	<1	16	12	28	40	41	27	
7/15/2019	WQ	<1	11	47	39	29	53	36	
7/22/2019	WQ	2	28	46	25	40	31	29	
7/29/2019	WQ	1	16	19	23	59	63	30	
8/5/2019	WQ	1	22	44	51	69	93	47	
8/13/2019	WQ	2	11	17	26	58	66	30	
8/19/2019	WQ	<1	21	20	54	68	122	57	
8/26/2019	WQ	1	42	31	50	75	72	45	
9/3/2019	WQ	1	27	39	47	62	60	39	
9/9/2019	WQ	1	32	25	33	41	55	31	
9/16/2019	WQ	2	28	62	88	114	102	66	
9/23/2019	WQ	<1	20	54	47	93	68	56	
10/1/2019	WQ	<1	33	74	61	83	93	69	
10/7/2019	WQ	<1	50	78	33	77	140	76	
10/15/2019	WQ	2	31	42	29	66	46	36	
10/21/2019	WQ	<1	162	411	866	2420	2420	1256	
10/22/2019	WQ		31	74	33	110	86	67	
10/28/2019	WQ	2	58	131	157	186	187	120	
11/4/2019	WQ	<1	115	93	77	137	96	104	
11/13/2019	WQ	<1	150	144	88	88	119	118	
11/18/2019	WQ	6	70	88	125	102	105	83	
11/25/2019	WQ	<1	86	108	115	121	114	109	
12/2/2019	WQ	1	91	127	157	90	86	92	

Red font indicates *E. coli* single sample set > 396 mg/L

Yellow highlight indicates *E. coli* sample set avg. > 126 mg/L

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.

Per the 2018 and 2020 Draft Texas Integrated Report – Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d) List, no waterbodies that accept discharges from the MS4 are listed as impaired.

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.

Not applicable

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

Not applicable

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

Not applicable

Benchmark Parameter <i>(Ex: Total Suspended Solids)</i>	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted

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

Not applicable

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark

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

Not applicable

Description of bacteria-focused BMP	Comments/Discussion

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

Not applicable

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

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
1: Public Education, Outreach and Involvement	Stormwater Quality Outreach Materials	Distribute Household Hazardous Waste information brochures at community events and on the city's website.	Continued from Year 1.
		Distribute promotional items containing river and watershed water quality information to visitors and students.	Revised goal language for new permit cycle, continued from Year 1.
		Distribute informational door hangers to residents following local storm sewer cleaning.	Continued from Year 1.

		Provide public access to the SWMP and annual reports through the City's public website within 30 days of approval of SWMP and no later than 30 days after annual report due date	New goal for new permit cycle, continued from Year 1.
		Distribute annual utility bill inserts for FOG and "What Not to Flush"	Continued from Year 1.
	Pet Waste Management in Parks	Inspect and maintain existing pet waste bag dispensers and install any needed new dispensers is applicable. Record any new/replaced dispensers.	Revised goal language for new permit cycle, continued from Year 1.
		Record the number of pet waste collection bags distributed annually and report the data as part of the SWMP annual report.	Revised goal language for new permit cycle, continued from Year 1.
	Trash and Debris Management	Host and advertise 4 community clean-ups annually.	Revised goal language for new permit cycle, continued from Year 1.
		Annually report the number of households participating in curbside recycling	Revised goal language for new permit cycle, continued from Year 1.

		Annually record the volume of trash and debris collected from the Annual Great Texas River Clean-Up, Adopt-A-Spot, Keep San Marcos Beautiful and Hot Spot Clean-Ups	Revised goal language for new permit cycle, continued from Year 1.
		Distribute outreach material annually to enhance program visibility and participation	New goal for new permit cycle, continued from Year 1.
	Classroom Education	Conduct a minimum of four water quality education camps each year. Record the number of attendees annually.	Revised goal language for new permit cycle, continued from Year 1.
		Track and report the number of program participants in the Discovery Center and Habitat Conservation Plan Programs.	Revised goal language for new permit cycle, continued from Year 1.
	River Visitor Education	Maintain a presence and provide informational brochures, flyers or other educational items during the months of peak river recreational activity.	Revised goal language for new permit cycle, continued from Year 1.
		Track and report annually the number of people contacted by the Discovery Center/Conservation Crew.	Revised goal language for new permit cycle, continued from Year 1.

	Promote San Marcos River Water Quality	Post (monthly) bacteriological test results on the City website.	Revised goal language for new permit cycle, continued from Year 1.
		Track and report the number of times the test results are accessed each month.	New goal for new permit cycle, continued from Year 1.
	Media Access for Stormwater Education	Promote “Reduce Runoff,” “What Goes Here Flows Here” and “After the Storm” videos on the City website and social media platforms.	Revised goal language for new permit cycle, continued from Year 1.
		Provide public access to “Reduce Runoff,” “What Goes Here Flows Here” and “After the Storm” videos through the City’s website and social media platforms. Track and report the number of times each video is accessed through the City website and social media platforms annually.	New goal for new permit cycle, continued from Year 1.
	Provide public access to “Reduce Runoff,” “What Goes Here Flows Here” and “After the Storm” videos through the local public access cable channel. Track and report the number of times each video is shown on the public access cable channel annually.	Revised goal language for new permit cycle, continued from Year 1.	

	Storm Drain Marking	Use volunteer organizations to install 25 inlet markers per year. Track and report the number of inlets marked each year.	Revised goal language for new permit cycle, continued from Year 1.
		Install redesigned manhole covers as part of new construction and rehabilitation projects on City CIPs. Track and report the number of redesigned manhole covers are installed each year.	Revised goal language for new permit cycle, continued from Year 1.
	Community Clean-Up Events	Conduct the Annual Great Texas River Clean-Up, Adopt-A-Spot, Keep San Marcos Beautiful and Hot Spot clean-ups.	Revised goal language for new permit cycle, continued from Year 1.
		Annually report the number of participants from the Annual Great Texas River Clean-Up, Adopt-A-Spot, Keep San Marcos Beautiful and Hot Spot clean-ups.	New goal for new permit cycle, continued from Year 1.
		Annually record the names of participating organizations and the number of volunteer hours for each community clean-up.	New goal for new permit cycle, continued from Year 1.

2: Illicit Discharge Detection and Elimination	Storm Sewer System Mapping	Update the storm sewer system map with new, altered and newly discovered storm sewer features and outfalls.	Revised goal language for new permit cycle, continued from Year 1.
		Annually track and report the approximate percentage of the City's mapped storm sewer system features.	Revised goal language for new permit cycle, continued from Year 1.
		Review annually and update as necessary, policies and procedures for updating the storm sewer system map with new, altered and newly located storm sewer features.	Revised goal language for new permit cycle, continued from Year 1.
	Illicit Discharge Detention and Elimination Legal Authority	Review annually and update as necessary, the illicit discharge ordinance including reporting and enforcement procedures.	New goal for new permit cycle, continued from Year 1.
		Notify residents, businesses, and industries of the illicit discharge ordinance and investigation and enforcement procedures using the City's website, flyers, and other public notice means. The City shall notify the public at least three times a year through.	Revised goal language for new permit cycle, continued from Year 1.

	Employee Information and Training	Annually review and update as necessary, the current training program, including materials and internal reporting forms and procedures.	New goal for new permit cycle, continued from Year 1.
		Annually review and update the list of departments and employee positions that must be trained in recognizing and/or responding to illicit discharges.	Revised goal language for new permit cycle, continued from Year 1.
		Conduct training for new and additional employees and maintain record of each training.	Continued from Year 1.
	Septic System Ordinance	Maintain the existing inventory of OSSFs within the City limits.	Revised goal language for new permit cycle, continued from Year 1.
		Update and track OSSF service records with an annual audit of OSSFs.	Revised goal language for new permit cycle, continued from Year 1.
		Track and report annually, the number of OSSFs removed as a result of sanitary sewer system extension or structure demolition.	New goal for new permit cycle, continued from Year 1.
	Grease Trap Management (FOG Program)	Continue to require grease traps for new establishments and to enforce the provisions of the FOG ordinance.	Continued from Year 1.

		Inspect new grease trap installations. Track and report annually, the number of new grease trap installations.	New goal for new permit cycle, continued from Year 1.
		Monitor grease trap maintenance records twice per year for conformance with the provisions of the FOG ordinance.	New goal for new permit cycle, continued from Year 1.
		Track and report annually, the number of grease trap installation maintenance reports.	New goal for new permit cycle, continued from Year 1.
	Capacity Management Operations and Maintenance (CMOM) Program	Continue the program of Sanitary Sewer Asset Management and sewer rehabilitation and repair projects as addressed in the City's CMOM Program.	New goal for new permit cycle, continued from Year 1.
	Proper Disposal of Household Hazardous Wastes (HHW)	Collect household hazardous wastes at a central location.	Revised goal language for new permit cycle, continued from Year 1.
		Distribute informational brochures annually to inform residents of the HHW service.	New goal for new permit cycle, continued from Year 1.
		Track and report annually, the number of residents who drop off materials at the collection station.	New goal for new permit cycle, continued from Year 1.

		Report the volume of materials collected annually.	New goal for new permit cycle, continued from Year 1.
	Establish Written IDDE Procedures	During the permit period, review annually and update as necessary, the written procedures for implementing BMPs for Illicit Discharge Detection and Elimination.	Revised goal language for new permit cycle, continued from Year 1.
3: Construction Site Runoff Control	Active Construction Site Inventory	Continue to manage the inventory of active construction sites ≥ 1 acre or less than 1 acre if part of a larger common plan, development, or sale.	Continued from Year 1.
		Implement the system for permitted active private and public construction sites.	Continued from Year 1.
		Compile annually, the inventory of permitted sites that list both active sites and sites that became inactive during the fiscal year.	New goal for new permit cycle, continued from Year 1.
	Review and Maintain Legal Authority for Construction Site Runoff Control	Review annually and update regulations as necessary to reflect changes in technology and to clarify requirements of the City's code of ordinances.	Continued from Year 1.

		Review annually and update as necessary regulations to require soil stabilization whenever clearing, grading, excavation or other earth disturbing activities have temporarily or permanently ceased.	Continued from Year 1.
		Review annually and update regulations as necessary to address prohibited construction related discharges.	Revised goal language for new permit cycle, continued from Year 1.
	Construction Plan Review	Construction plans are reviewed prior to construction to verify compliance with the City's temporary erosion control ordinances for new development and redevelopment. Reviewed plans will be compiled annually.	Revised goal language for new permit cycle, continued from Year 1.
		The number of plan submittals and approvals will be tracked and reported annually.	New goal for new permit cycle, continued from Year 1.
	Construction Site Compliance Monitoring	Continue to inspect construction sites for erosion and sedimentation control BMPs.	Continued from Year 1.
		Enforce compliance with City and State regulations regarding temporary erosion control.	New goal for new permit cycle, continued from Year 1.

		Review inspection reports and Notice of Violations annually.	New goal for new permit cycle, continued from Year 1.
	Training	Review annually and update as necessary, a training program, including materials and internal reporting forms and procedures.	New goal for new permit cycle, continued from Year 1.
		Conduct annual training sessions for identified City staff.	Continued from Year 1.
		Provide temporary erosion control BMP materials and guidance to contractors at pre-construction meetings. Track and report annually the number of contractors who received materials and guidance.	New goal for new permit cycle, continued from Year 1.
	Construction Site Compliance Written Procedures	Comply with written procedures for implementing the BMPs for construction activities.	New goal for new permit cycle, continued from Year 1.
		Apply procedures that initiate and complete stabilization measures for construction sites 3(b)(2)(b)	New goal for new permit cycle, continued from Year 1.
		Review annually and update as necessary, standard details for BMP's used for construction activities.	New goal for new permit cycle, continued for Year 2 from Year 1.

4: Post Construction Stormwater Management in New Development and Redevelopment	Post Construction Storm Water Management Legal Authority	Annually review and update as necessary, the City's current development code for requirements for post-construction maintenance of BMPs for new development and redevelopment construction sites of 1 acre or more, and in projects of less than 1 acre that are part of a larger common plan of development, redevelopment, or sale.	Continued from Year 1.
	Long-Term Maintenance of Post-Construction Storm Water Control Measures	The City will continue to monitor and document that inspections and maintenance of privately owned permanent stormwater management facilities are performed at least once every five years.	New goal for new permit cycle, continued from Year 1.
		The City will continue to inspect (using reports) annually and perform maintenance of City owned permanent stormwater management facilities.	New goal for new permit cycle, continued from Year 1.

		The City will enforce inspection requirements of privately owned permanent stormwater management facilities. The numbers of sites both in and out of compliance will be tracked annually.	New goal for new permit cycle, continued from Year 1.
	Post Construction Site Inspection and Project Acceptance	Post construction inspection of private construction sites for revegetation OR maintenance bond OR deferred landscape agreement.	Continued from Year 1.
	Post Construction Written Procedures	Apply written procedures for implementing the BMPs for new development and redevelopment as guided by Code SMTX that was adopted in April 2018 and the Stormwater Technical Manual.	Revised goal language for new permit cycle, continued from Year 1.
5: Pollution Prevention and Good Housekeeping for Municipal Operations	Municipal Facilities & Storm Water Control Inventory	Annually review and update as necessary the municipal facilities inventory and stormwater controls.	New goal for new permit cycle, continued from Year 1.
		Continue mapping municipal facilities and stormwater controls at least annually.	Revised goal language for new permit cycle, continued from Year 1.

		Reassess each facility within the permit cycle for the pollutant discharge potential by a qualified personnel.	New goal for new permit cycle, continued from Year 1.
Training and Education		Annually review and update as necessary, the list of departments and employee positions that must be trained in implementing pollution prevention and good housekeeping practices.	Revised goal language for new permit cycle, continued from Year 1.
		Annually review and update as necessary, the current and internal reporting forms and procedures.	Revised goal language for new permit cycle, continued from Year 1.
		Conduct training for new and additional employees and maintain record of each training.	Revised goal language for new permit cycle, continued from Year 1.
Contractor Requirements and Oversight		During the permit period, identify construction and/or maintenance services performed by contractors.	Revised goal language for new permit cycle, continued from Year 1.
High Priority Facility-Specific SOPs		Annually review and update as necessary facility-specific Standard Operating Procedures (SOPs) that identify BMPs to be installed, implemented, and maintained.	New goal for new permit cycle, continued from Year 1.

		Maintain a hard or electronic copy of each facility-specific SOP at each High Priority Facility.	Continued from Year 1.
		Inspect pollution prevention and good housekeeping measures at high priority facilities twice in a permit cycle and document the results of the inspections.	Revised goal language for new permit cycle, continued from Year 1.
	High Priority Facility Stormwater Controls	Annually review and update as necessary, general good housekeeping procedures in facility specific SOPs.	Revised goal language for new permit cycle, continued from Year 1.
		Annually review and update as necessary, the SOPs for spill prevention and response plans for vehicle and equipment fueling and maintenance locations.	Revised goal language for new permit cycle, continued from Year 1.
	Stormsewer System Operations and Maintenance	Review annually and update as necessary the storm sewer waste material disposal SOPs and continue to implement within City operations.	Revised goal language for new permit cycle, continued from Year 1.
		Review annually and update as necessary, the written procedures (SOPs) for periodic inspection and cleaning of catch basins and continue to implement within City operations.	New goal for new permit cycle, continued from Year 1.

		Review annually and update as necessary, the City's Storm Sewer Maintenance Program for inspection and cleaning of inlets and storm sewers as needed.	Revised goal language for new permit cycle, continued from Year 1.
		Review annually and update storm sewer system map (BMP 2.01) as necessary, and review areas annually for increased inspection to detect accumulations of sediment and debris or illegal dumping.	Revised goal language for new permit cycle, continued from Year 1.
		Provide a summary technical memorandum of completed reviews.	New goal for new permit cycle, continued from Year 1.
	Street Sweeping	Sweep up to 724 lane miles of arterials; collectors; and residential streets each year.	New goal for new permit cycle, continued from Year 1.
		Include in the annual report the total lane miles swept and the tonnage collected.	New goal for new permit cycle, continued from Year 1.
	Post Construction Site Inspection and Project Acceptance	Conduct warranty inspections of public infrastructure projects for conformance with contract specifications for revegetation. Record the inspections annually within the annual report.	Revised goal language for new permit cycle, continued from Year 1.

		Conduct post construction inspection of private construction sites for revegetation OR maintenance bond OR deferred landscape agreement. Record the inspections annually within the annual report.	Continued from Year 1.
	Waterway Litter Removal	Conduct quarterly underwater litter removals downstream of City Park to Thompson's Island.	Continued from Year 1.
		Conduct quarterly litter pickups in tributaries to the San Marcos River.	Continued from Year 1.
		Document the litter pickups in the annual report.	Continued from Year 1.

F. SWMP Modifications

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

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 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)

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.).

Not applicable

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.

Not applicable

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

H. Additional Information

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

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: **Texas State University TXR040427. Coordinating Public Education and Outreach. Working with the University provides more opportunities to reach different audiences and events. This maximizes the program and creates a cost-effective solution.**

- 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: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

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):

37

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

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	
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): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

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.