

# Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

## A. General Information

Authorization Number: TXR040336

Reporting Year (year will be either 1, 2, 3, 4, or 5): 6

Annual Reporting Year Option Selected by MS4:

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

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

Fiscal Year: X Last day of fiscal year: (09-31-2019)

Reporting period beginning date: (month/date/year) 10-01-2018

Reporting period end date (month/date/year) 09-30-2019

MS4 Operator Level: 3 Name of MS4: City of Bryan

Contact Name: Lisa Miller Telephone Number: 979-209-5881

Mailing Address: P O Box 1000 Bryan, TX 77805

E-mail Address: lmiller@bryantx.gov

A copy of the annual report was submitted to the TCEQ Region YES X NO \_\_\_ Region the annual report was submitted. TCEQ Region 9

## 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	See Appendix 1
Permittee is currently in compliance with recordkeeping and reporting requirements.		X	The City of Bryan's Drainage Inspector position was vacant from February to May 2019  Since May 2019, the City has implemented an inspection tracking system. Emphasis is being placed on education of contractors, builders, developers and City staff.

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		TMDL I-Plan, approved by TCEQ, August 22, 2012.
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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>
1A: Public Outreach	Community Education	Yes. Simple activities such as fertilizing, vehicle maintenance, and home improvements adversely impact our environment when performed incorrectly. Targeting educational materials to inform residents of safe alternatives and good housekeeping practices concerning home and yard maintenance will aid in lowering stormwater impact by this element.
1B: Public Education	School Education	Yes. Students have the potential to impact stormwater and water quality in the MS4 and can also positively affect their families' outlook. The City promotes stormwater education within the schools through service learning opportunities, participating in guest speaking opportunities, and by supporting Keep Brazos Beautiful (KBB) in its school education efforts.
1C: Public Education	Construction Site Operator Education	Yes. Runoff from construction sites has an identified potential to degrade water quality in the MS4. Waste management, erosion control, and sediment management are points of concern relating to construction sites. The combination of guidance materials and general meetings with City staff are vehicles used in educating construction site operators in protecting water quality within the MS4.
1D: Public Education	City Staff Education	Yes. Educational information is disseminated to City employees through electronic announcements, internet websites, new employee orientation, and group meetings. Topics include illicit discharges, floatables and litter, proper management and disposal of used oil and household hazardous wastes, and proper use, application, and disposal of pesticides, herbicides, and fertilizers. Task-specific training is provided, as required, to personnel directly involved in spill prevention and response.

1E: Public Education	Public Participation/Volunteer Activities	Yes. This measure includes opportunities for a wide variety of people who live, work, and play in Bryan to participate in SWMP development and implementation. Additionally, this measure promotes community awareness and protection of stormwater quality through participation in the storm drain marking, litter cleanup, and stream monitoring.
2A: Illicit Discharge	Illicit Discharge Detection and Elimination	Yes. The City's Illicit Discharge Detection and Elimination practices are used to locate and remove prohibited discharges from entering the storm drainage system.
2B: Illicit Discharge	Storm Sewer Screening and Illicit Discharge Inspections	Yes. Inspections are conducted in response to complaints received regarding illicit discharges and/or improper waste disposal or are triggered in response to information obtained through dry weather screening of the storm sewer system.
2C: Illicit Discharge	Storm Sewer Map Verification and Update	Yes. Maintaining an updated and accurate map of the storms sewer system is critical to providing timely emergency response for spills and detecting illicit discharges
2D: Illicit Discharge	Household Hazardous Waste and Oil Recycling	Yes. Most households routinely use small amounts of pesticides, herbicides, fertilizers, automotive fluids, batteries, paints, and solvents in the day-to-day upkeep of their homes, apartments and condominiums. Improper disposal of these materials through trash collection or poured down the storm drain can result in unwanted impact to the environment.
2E: Illicit Discharge	Septic Tanks	Yes. Brazos County Health Department (BCHD) serves as the City's designated health official. The City maintains legal authority prohibiting use of a septic tank when public sewer service is unavailable. The City and BCHD maintain a working relationship allowing co-review of septic tank applications to determine applicability before installation is granted. The City also maintains legal authority addressing closure requirements for failing septic tanks located within the city limits.
3A: Construction Run Off	Construction Plan Review	Yes. Expansion of the plan and permit issuance process is needed to ensure construction activity and land disturbance conforms to TXR150000 and the City' SWMP.  Amending legal authority to establish a stormwater permit process yields opportunity for improving this BMP. Review of internal policy and process relating to permit issuance for general construction and land disturbance (without amending the existing legal authority) serves as an alternative for BMP enhancement.

3B: Construction Run Off	Inspection of Construction Sites and Enforcement of Control Measure Requirements	<p>Yes. The inspection verifies that the structural and non-structural control measures are installed and are functioning as intended to prevent pollution from leaving the site. The City maintains legal authority to inspect construction sites and require site compliance.</p> <p>Currently the inspection record keeping is being maintained electronically through excel, pdf format and photographic records. Centralized option was successfully established September 2019. We will be able to track the number of inspections, complaints, follow-up inspections as well as enforcement actions.</p>
3C: Construction Run Off	Maintain Legal Authority and Guidelines	<p>Yes. The City will maintain its legal authority and update as necessary to comply with the TXR150000, TXR040000, and TXR050000 General Permits. The City will maintain guidance documents for construction and design professionals and make them accessible through the internet. Maintain and revise as necessary the stormwater quality requirements in the standard construction contracts for capital improvement projects.</p>
4A: Post Construction	Bryan City Code Review and Updates	<p>Yes. Regular Code updates maintain the City's ability to enforce the requirements of the permit, in addition to staying current with any updates to state and federal laws.</p>
4B: Post Construction	Establish Post-Construction Stormwater Management Program	<p>Yes. Some components of this program exist but development of a more formal program is still needed.</p> <p>For large residential sites and commercial sites, a one year warranty inspection is performed at which time any deficiencies are remedied by the owner. If no deficiencies are noted, we ensure all non-structural BMPs (such as silt fence) are removed from the site. A program was established for inspections of existing stormwater detention ponds within the City.</p>
4C: Post Construction	Evaluation of Flood Control Projects	<p>Yes. The City evaluates capital improvement projects each year that offer the potential to integrate water quality design features into flood management-focused design.</p> <p>All development projects that come through the City's Site Development Review process are required to provide stormwater detention if greater than one (1) acre for commercial and two (2) acres for single residential development. The alternative to detention is to prove to the City why the detention would be more detrimental; exemptions to providing detention are only possible low in the watershed adjacent to primary systems where detention would cause stacking of peak flows in the watershed.</p>

4D: Post Construction	Implementation and Performance of Structural/Non-structural	Yes. The detention pond inspection program was certified and a total of 16 stormwater pond inspections were performed during this permit term.
5A: Pollution Prevention & Housekeeping	Municipal Facilities Identification	Yes. The City maintains standard operating procedures for general good housekeeping, equipment washing, fueling operations and vehicle maintenance, and chemical application. Furthermore, city-owned facility assessments are performed one time per period term.
5B: Pollution Prevention & Housekeeping	Training for Municipal Employees	Yes. City employees are trained on the proper procedures for reporting, containing spills and preventing pollutants from entering the storm drains. The combination of monthly group meetings and area-specific focused meetings are used to satisfy the requirement of this element.
5C: Pollution Prevention & Housekeeping	Contractor Training Oversight	Yes. Contractors hired by the City for maintaining City-owned facilities are required to comply with good housekeeping practices, stormwater control measures, and facility-specific stormwater management procedures.
5D: Pollution Prevention & Housekeeping	Waste Management	Yes. Preventing environmental upset through waste management is as important for protecting the health and sanitation of the community. Disposal of regulated wastes such as motor oils, oil filters, automotive fluids, etc. used by the City are managed through contract or agreement with a service provider.
5E: Pollution Prevention & Housekeeping	Pesticides, Herbicides and Fertilizer Application	Yes. Minimizing discharge of pollutants related to storage and application of pesticides, herbicides and fertilizers applied by City staff or contractors to public rights-of-way, parks, and other public property is a key component to protecting water quality.
5F: Pollution Prevention & Housekeeping	Street Sweeping	Yes. Street sweeping is performed to limit litter and dust/dirt along public streets, public parking lots, and right-of-ways from being washed into the storm drain. Road debris from traffic flow can add to sediment loading of the storm drain if not properly managed.
5G: Pollution Prevention & Housekeeping	Grass Clippings, Leaf Litter, and Animal Waste	Yes. Grass clippings, leaf litter and animal wastes are addressed through several different initiatives to limit biological wastes and nutrients discharges into the MS4. The TMDL I-Plan establishes control measures to address bacteria within the permit area. Existing ordinances will be continually reviewed and revised as needed to ensure success of this measure.

5H: Pollution Prevention & Housekeeping	Road and Parking Lot Maintenance	Yes. Control of sediment and debris from municipally-owned road and parking lot maintenance is addressed through several different initiatives. Operating standards for road repair and maintenance (City and contractor) are established to protect water quality.
5I: Pollution Prevention & Housekeeping	Cold Weather Conditions	Yes. Application of salt or sand to roadways and sidewalks is performed on a limited basis.
5J: Pollution Prevention & Housekeeping	Spill Response	Yes. The City responds to spills and employs spill prevention procedures/practices for proper handling, storage, and disposal of hazardous and non-hazardous materials. HazMat services are used for circumstances requiring specialized handling and disposal of waste.
5K: Pollution Prevention & Housekeeping	WWTP Performance	Yes. A waste load allocation of 36.25 CFU/100 mL is established in the Carters Creek TMDL I-Plan for <i>E. coli</i> loading associated effluent discharges from the Burton Creek WWTP. Proper operation and maintenance of each WWTP plays a key role in reducing <i>E. coli</i> loading to each plant's receiving stream.  See Appendices 2, 3 and 4
6A: MS4 Maintenance Activities	System Repair and Maintenance	Yes. Structural controls within the MS4 that are owned, operated and maintained by the City include the conveyances (creeks and channels) and engineered control systems (drainage inlets and piping systems, culverts, and detention and retention ponds). Ongoing operations and maintenance of these structural controls reduce the discharge of pollutants from the MS4.
6B: MS4 Maintenance Activities	Water Quality and Flood Control Structures	Yes. Structural controls within the MS4 that are owned, operated and maintained by the City include the conveyances (creeks and channels) and engineered control systems (drainage inlets and piping systems, culverts, and detention and retention ponds). Ongoing operations and maintenance of these structural controls reduce the discharge of pollutants from the MS4.
6C: MS4 Maintenance Activities	Floatables	Yes. Structural controls, litter abatement programs are in place to reduce discharge of floatables into the MS4. Floatables removal improves surface water quality, channel aesthetics, and drainage system conveyance.
6D: MS4 Maintenance Activities	Litter Abatement	Yes. The City partners with Keep Brazos Beautiful (KBB) for (1) promoting educational awareness regarding environmental stewardship, and (2) coordinating volunteer efforts in litter collection, and (3) benchmarking aesthetics for city streets and right-of-ways.

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):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
1	Community Education	Outreach Opportunities	<ul style="list-style-type: none"> <li>▪ Common Code Violations (publication)</li> <li>▪ Down Stream (publication)</li> <li>▪ Outreach (30 events):               <ul style="list-style-type: none"> <li>✓ City of Bryan News Channel 16</li> <li>✓ Community Hero</li> <li>✓ Bryan Citizen's Police Academy</li> <li>✓ National Night Out</li> <li>✓ Bryan Citizen's Police Academy (Sp)</li> <li>✓ Habitat New Home Owners</li> <li>✓ Neighborhood Night Out</li> <li>✓ Various HOA Meetings</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Publications</li> <li>▪ Events</li> </ul>	Yes. Heavy emphasis on public education is focused to illegal dumping and general usage of the sewer system. Work order history combined with system overflows show a reduction in illicit discharges and system overflows.

2	Illicit Discharge & Elimination	Overflows/ Releases	<ul style="list-style-type: none"> <li>▪ 41</li> <li>▪ 400</li> <li>▪ 64.3</li> </ul>	<ul style="list-style-type: none"> <li>▪ SSOs</li> <li>▪ Defects Found</li> <li>▪ Miles of Pipe Tested</li> </ul>	<p>Yes. Burton Creek and Country Club Branch are impaired stream segments located within the City of Bryan. A TMDL has been established for these stream segments. Requirements of the MS4 combined with the TDML I-Plan center on identification and elimination of point and non-point sources of <i>E. coli</i>. Request was submitted to TCEQ for reduction in testing frequency for demonstrated compliance (all plants).</p> <p>See Appendices 2,3 and 4</p>
3	Construction Site Management	Plans Reviewed	<ul style="list-style-type: none"> <li>▪ 658</li> </ul>	<ul style="list-style-type: none"> <li>▪ Permits Issued</li> </ul>	<p>Yes. Sites that are larger than 1 acre or are part of a common plan of development are inspected on a regular basis with goal of inspecting at least monthly or more frequently if wet weather. Large sites were inspected more frequently than smaller sites.</p> <p>See Appendix 9.</p>
4	Construction Site Management	Post Construction Controls	<ul style="list-style-type: none"> <li>▪ 84</li> </ul>	<ul style="list-style-type: none"> <li>▪ Inspections</li> </ul>	<p>Yes. Commercial and Residential subdivisions having public infrastructure associated with them (84) were inspected at the 1-year warranty period; and commercial sites w/o public infrastructure that we received complaints on (2); to note any deficiencies and to remove any remaining temporary BMPs such as silt fence. 16 detention pond inspections were performed.</p>
5	Training for Municipal Employees	Employees Trained	<ul style="list-style-type: none"> <li>▪ 498</li> </ul>	<ul style="list-style-type: none"> <li>▪ Employees Trained</li> </ul>	<p>Yes. Training on topics relating to MS4 increase employee education and awareness to permit conditions and responsibilities.</p>

6	System Screening	Inlet Inspections	▪ 359	▪ Inspections	Yes. Inlet inspections are databased through work order history. Work orders deter illicit discharges in the future by allowing utility managers the ability to track current and previous conditions/occurrences of an individual inlet.
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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																																
1A: Public Education	a. Number of PSAs created b. Traffic count (website, application, media, etc.) c. Number of media avenues utilized d. Number of promotional items purchased e. Number of dual language materials created f. Percentage of outreach materials offered in dual language	a. 2 b. Web traffic tracked by Google Analytics. Traffic count: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Web Page</th> <th>FY18 Page Views</th> <th>FY19Page Views</th> <th>% Change</th> </tr> </thead> <tbody> <tr> <td><i>Code Enforcement</i></td> <td>5,682</td> <td>5,961</td> <td>+4.36%</td> </tr> <tr> <td><i>Permits</i></td> <td>9,672</td> <td>8,992</td> <td>-7.03%</td> </tr> <tr> <td><i>Building Services</i></td> <td>4,045</td> <td>6,066</td> <td>+49.96%</td> </tr> <tr> <td><i>Building Design</i></td> <td>679</td> <td>538</td> <td>-20.77%</td> </tr> <tr> <td><i>Building FAQ</i></td> <td>1,466</td> <td>1,569</td> <td>+7.03%</td> </tr> <tr> <td><i>Environmental Services</i></td> <td>17,596</td> <td>20,281</td> <td>+15.26%</td> </tr> <tr> <td><i>Stormwater Management</i></td> <td>531</td> <td>406</td> <td>-23.54%</td> </tr> </tbody> </table> c. City of Bryan Channel 16, City of Bryan Website, and City of Bryan social media pages are used as outreach to the public. d. A measured matrix for this element was not recorded. Materials distributed consisted on remaining inventory from prior years. e. 4 f. 100%	Web Page	FY18 Page Views	FY19Page Views	% Change	<i>Code Enforcement</i>	5,682	5,961	+4.36%	<i>Permits</i>	9,672	8,992	-7.03%	<i>Building Services</i>	4,045	6,066	+49.96%	<i>Building Design</i>	679	538	-20.77%	<i>Building FAQ</i>	1,466	1,569	+7.03%	<i>Environmental Services</i>	17,596	20,281	+15.26%	<i>Stormwater Management</i>	531	406	-23.54%
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1B: Public Education	a. Number of presentations b. Number of school events attended c. Percentage of outreach materials offered in dual language	a. 30 (Head Start Program, Citizens Police Academy, Spanish Citizens Police Academy, NNO [24 meetings attended], Habitat New Home Owners) b. 0 c. 100% for the four brochures referenced above. City of Bryan website is ADA compliant and provides site visitors with translation opportunity.																																
1C: Public Education	a. Number of pre-construction meetings performed b. Number of outreach materials distributed	a. 204 cases reviewed, 25 Capitol Improvement Projects b. 28																																

1D: Public Education	<ul style="list-style-type: none"> <li>a. Number of employees trained in SWMP</li> <li>b. Number training sessions completed</li> <li>c. Number of employees trained in multi-sector permit</li> </ul>	<ul style="list-style-type: none"> <li>a. 498</li> <li>b. 2</li> <li>c. 16</li> </ul>
1E: Public Education	<ul style="list-style-type: none"> <li>a. Number of cleanups performed by volunteers</li> <li>b. Number of volunteer sampling events (TMDL)</li> <li>c. Website updated</li> </ul>	<ul style="list-style-type: none"> <li>a. 9: Austin's Colony, Premier, Kemp Elementary, Kroger, Sue Haswell (2). Henderson, Tanglewood</li> <li>b. TDML project has completed. No sampling events have been performed. Control measure will be retained for reconnaissance performed by the City or other.</li> <li>c. City of Bryan website is updated annually with the submitted annual report.</li> </ul>
2A: Illicit Discharge and Elimination	<ul style="list-style-type: none"> <li>a. Number of illicit discharge sources identified and corrected</li> <li>b. Number and types of illicit discharge related work order requests issued</li> <li>c. TCEQ SSO Initiative objectives met</li> </ul>	<ul style="list-style-type: none"> <li>a. 823 (423 sewer/water cases, 240 private defects, 160 sewer main defects)</li> <li>b. 823 (423 sewer/water cases, 240 private defects, 160 sewer main defects)</li> <li>c. SSOI term completed. Enrollment into the program was requested. A work plan is due to TCEQ no later than January 21, 2020 (See Appendix 2)</li> </ul>
2B: Illicit Discharge and Elimination	<ul style="list-style-type: none"> <li>a. Number of sanitary sewer SSOs</li> <li>b. Miles of sanitary sewer pipe cleaned</li> <li>c. Mile of pipe inspected for root invasion</li> <li>d. Number of sewer sub-basins inspected using smoke testing</li> <li>e. Number of private-side sewer defects identified and repaired</li> <li>f. Number of public-side sewer defects identified and repaired</li> <li>g. Number of grease traps inspected</li> <li>h. Number of educational events attended</li> <li>i. Number of educational materials distributed</li> <li>j. TCEQ SSO Initiative objectives met</li> </ul>	<ul style="list-style-type: none"> <li>a. 41</li> <li>b. 85</li> <li>c. 85</li> <li>d. 3</li> <li>e. 240</li> <li>f. 160</li> <li>g. 257</li> <li>h. 30 (Head Start Program, Citizens Police Academy, Spanish Citizens Police Academy, NNO [24 meetings attended], Habitat New Home Owners)</li> <li>i. A measured matrix for this element was not recorded. Materials distributed consisted on remaining inventory from prior years.</li> <li>j. SSOI term completed. Enrollment into the program was requested. A work plan is due to TCEQ no later than January 21, 2020 (See Appendix 2)</li> </ul>

2D: Illicit Discharge and Elimination	<ul style="list-style-type: none"> <li>a. Number and types of updates to asset inventory and map</li> <li>b. Number of manholes and inlets inspected</li> <li>c. GIS layer updated and current</li> </ul>	<ul style="list-style-type: none"> <li>a. Assets are updated to GIS in real-time. Changes made to GIS are driven by (1) field observations and (2) new construction</li> <li>b. 359 manholes and 3599 inlets were inspected this reporting period.</li> <li>c. GIS is updated daily to reflect changes and/or additions made to the water and sewer system base maps.</li> </ul>
2E: Illicit Discharge and Elimination	<ul style="list-style-type: none"> <li>a. Participation rates per HHW reporting year</li> <li>b. Number of HHW events hosted per year</li> <li>c. Volume of used motor oil and cooking oil recycled</li> </ul>	<ul style="list-style-type: none"> <li>a. Traffic Count: October 2018 (1,547 vehicles) and April 2018 (1,886 vehicles)</li> <li>b. 2</li> <li>c. 2,004 gallons of used oil and 2 drums of filter from DIY Oil Center, 4,897 gallons of used oil and 13 drums of filters from Fleet, 1,200 lbs of cooking grease from DIY Oil Center (see Appendix 5)</li> </ul>
2F: Illicit Discharge and Elimination	<ul style="list-style-type: none"> <li>a. Number of septic tanks removed from service in city limits</li> <li>b. Number of enforcement actions against septic tanks located in the city limits</li> </ul>	<ul style="list-style-type: none"> <li>a. 0</li> <li>b. 1 complaint was submitted to the County Health District, there are 2 permitted systems and 1 application for permit.</li> </ul>
3A: Construction Site Runoff	<ul style="list-style-type: none"> <li>a. Number of outreach materials distributed</li> <li>b. Number of dual language materials created</li> <li>c. Number of Site Development Review cases</li> <li>d. Number of Building Permits issued</li> <li>e. Number of designed Capital Improvement Projects – percentage of Capital Improvement Projects with SWPPP</li> <li>f. Number of engineered construction plans related to public infrastructure</li> <li>g. Number of small residential construction site plans reviewed</li> </ul>	<ul style="list-style-type: none"> <li>a. 56</li> <li>b. 0</li> <li>c. 204 new cases (Site Development Review Committee), 25 development and CIP</li> <li>d. 658 Homebuilding/Commercial and 114 Development/CIP</li> <li>e. 11 Capital Improvement Projects went to construction in FY19. Out of those 11, 3 were complete in FY19. 9 Capital Projects are in design and will have SWPPP requirements when they bid. 100% of the Capital Projects have SWPPP requirements.</li> <li>f. 11</li> <li>g. 574 Single and multi-family dwelling: 117 Commercial</li> </ul>

<p>3B: Construction Site Runoff</p>	<p>a. Number of complaint-driven inspections b. Number of engineered construction plans related to public infrastructure reviewed c. Number, type, and location of inspections completed d. Number of inspections needing improvement vs. total number of inspections e. Number of enforcement actions enacted f. Small residential construction sites inspected</p>	<p>a. 6 b. 11 c. 186 Homebuilding (common plan of development located within the City limits)/development (Drainage inspector) and 86 Commercial/CIP (Engineering Inspectors) d. 192 non-compliant of 272 total inspections e. 192 non-compliance inspections sent out and corrections were made f. No inspections were made of sites not part of a common plan of development, less than 1 acre. Inspections are either homebuilding or development and not defined as large or small. The next permit term will adjust the database to track as either large or small.</p>
<p>3C: Construction Site Runoff</p>	<p>a. Number of ordinances reviewed b. Number of ordinance amendments made or new ordinance adopted</p>	<p>a. 1 Stormwater Management Chapter 46 Article III b. 0</p>
<p>4A: Post Construction Stormwater</p>	<p>a. Number of ordinances reviewed b. Number of ordinances modified c. Number of new ordinances adopted</p>	<p>a. 1 Stormwater Management Chapter 46 Article III b. 0 c. 0</p>
<p>4B: Post Construction Stormwater</p>	<p>a. Database established b. Number of site inspections performed c. Number of enforcement actions enacted d. Evaluate continued operation and maintenance practices e. Develop written procedures for enforcement and management mechanisms for post-construction stormwater management</p>	<p>a. Database established in 2019, An online permitting/inspection is in the process of being launched to further enhance our inspection process. b. 186 Homebuilding/Development and 86 Commercial/CIP and 655 Structural inspections c. 0 – voluntary compliance on issues noted d. The online permitting/inspection process is under development. The processe will be evaluated and will be modified to better our reporting/inspection capabilities. e. A draft SOP has been prepared. Procedures will be combined with other departments to produce a complete document.</p>

4C: Post Construction Stormwater	<ul style="list-style-type: none"> <li>a. Number of flood control and drainage construction projects with water quality measures initiated</li> <li>b. Number of flood control and drainage construction projects with water quality measures completed</li> <li>c. Types and locations of measures implemented</li> <li>d. Evaluate continued operation and maintenance practices</li> </ul>	<ul style="list-style-type: none"> <li>a. 34</li> <li>b. 8</li> <li>c. There were 13 projects that have gone through the design process and 4 have been completed. The completed projects were on Old Hearne Road, Partridge Circle, Knights Bridge and Applecreek Street and Linda Lane.</li> <li>d. There are 9 projects planned in next reporting period. Detention pond inspections continued throughout this term and will continue in future terms. A total of 16 ponds inspections were performed for existing facilities, with the goal to perform inspections on a 3-year rotation.</li> </ul>
4D: Post Construction Stormwater	<ul style="list-style-type: none"> <li>a. Number of new and redevelopment projects over 1 acre</li> <li>b. Number, type(s) and locations of LID features implemented at City facilities</li> <li>c. Evaluate continued operation and maintenance practices</li> </ul>	<ul style="list-style-type: none"> <li>a. 33</li> <li>b. 0</li> <li>c. Ongoing</li> </ul>
5A: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. Applicable facilities identified</li> <li>b. Database created</li> <li>c. GIS layer created</li> <li>d. Facility assessments complete</li> </ul>	<ul style="list-style-type: none"> <li>a. City-owned facilities identified, databased, and mapped. The City-owned facility inventory, is updated as changes are made.</li> <li>b. Yes</li> <li>c. Yes</li> <li>d. 6</li> </ul>
5B: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. Number of employees trained in SWMP</li> <li>b. Number training sessions completed</li> <li>c. Number of employees trained in multi-sector permit</li> </ul>	<ul style="list-style-type: none"> <li>a. 497</li> <li>b. 4</li> <li>c. 16</li> </ul>
5C: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. Number of contractors educated on City's SWMP</li> <li>b. Number of outreach materials completed</li> <li>c. Number of contractor forms completed for not meeting contact obligations</li> </ul>	<ul style="list-style-type: none"> <li>a. 24</li> <li>b. 3 documents exist for contractor education: <i>Keep it Clean</i> and <i>General Construction and Site Supervision to Improve Stormwater Quality</i>, (2) City's website, and (3) Bryan/College Station Design Standards. See Section 4, MCM 1 for web traffic information</li> <li>c. 0</li> </ul>

5D: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. Number of City-sponsored in-house recycling efforts (city administration)</li> <li>b. Number of waste types recycled</li> <li>c. Percentage of facilities covered by a SOP and the number of inspections performed to verify SOP execution</li> </ul>	<ul style="list-style-type: none"> <li>a. 4: City Hall, Municipal Services Center, Parks and Recreation, and BTU Administration. WWTP sludge and green waste collected from the right-of-way is used a bio-solid compost feedstock.</li> <li>b. Office paper, oil, oil filters, fluorescent bulbs, vehicle fluids, brass and misc. water fittings, printer cartridges, computer and E-waste represent typical waste-streams recycled. Green waste = 6,243 tons. WWTP Sludge = 2,539 dry metric tons.</li> <li>c. 6 facility assessments were performed this year. SOPs are established for high-risk facilities and those operations having direct impact to stormwater quality. SOPs are not established for non-exposure facilities such as administrative buildings. 15 SOPs have been established and are based on practices not a specific facility (with the exception of high-risk facilities regulated under the TXR050000). These figures are not reflective of BTU facilities.</li> </ul>
5E: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. SOP completed</li> <li>b. Schedule completed</li> <li>c. Number of licensed applicators employed by the City</li> </ul>	<ul style="list-style-type: none"> <li>a. SOPs completed – November 2014. All SOPs reviewed this reporting period.</li> <li>b. General guidance for application and use is found in the SOP. Frequency and occurrence for application is based upon season and weather</li> <li>c. 3</li> </ul>
5F: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. Number of street miles swept</li> <li>b. Volume of debris collected through sweeping</li> </ul>	<ul style="list-style-type: none"> <li>a. All streets with a curb are scheduled to be swept 4 times per year. Over 3,000 miles of street were swept. Staffing and equipment outage prevented the above-listed schedule to be met. 107 citizen requested sweep orders were completed. Citizen orders are added to the scheduled sweeping frequency</li> <li>b. ~1,040 yards of waste</li> </ul>
5G: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. Number of outreach materials created</li> <li>b. Number of PSAs created</li> </ul> <p>Percentage of city parks providing animal waste stations</p>	<ul style="list-style-type: none"> <li>a. Continuation of existing practices. Website maintained to include GIS layer pinpointing completed work orders for sewer leaks, code enforcement cases, and public works-related job orders</li> <li>b. 0 new PSAs created – continuation of existing practices 50%. Installation of the stations is determined by park age and size</li> </ul>
5H: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. SOPs completed</li> <li>b. Number of deicing events (location and volume)</li> <li>c. Number of road projects completed (maintenance)</li> </ul>	<ul style="list-style-type: none"> <li>a. SOPs completed – November 2014. SOPs reviewed this reporting period.</li> <li>b. Zero</li> <li>c. 168 road projects completed. 250 concrete patches completed. 359 in house road repairs completed (asphalt). 668 potholes completed. 64 sewer utility cuts completed. 105 water utility cuts completed.</li> </ul>
5I: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. Number of city employees trained in spill response</li> <li>b. Number of spill events requiring response</li> </ul>	<ul style="list-style-type: none"> <li>a. The Bryan Fire Department (145) serves as the City's lead for emergency response and site containment.</li> <li>b. Bryan Fire Department maintains an inventory record for dispatch calls and response. 36 responses requiring spill/containment response were recorded.</li> </ul>
5J: Pollution Prevention & Housekeeping	<ul style="list-style-type: none"> <li>a. TPDES Discharge Permit met</li> <li>b. Discharge monitoring reports submitted</li> </ul>	<ul style="list-style-type: none"> <li>a. Permit compliance met for WWTPs. TCEQ granted reduced sample frequency for <i>E. coli</i> at Burton Creek and Still Creek WWTPs</li> <li>b. Monthly and reclaimed water discharging monitoring reports submitted monthly</li> </ul>

6A: MS4 Maintenance	<ul style="list-style-type: none"> <li>a. Number of pipe areas scheduled for maintenance</li> <li>b. Number of repairs completed</li> <li>c. GIS layer created</li> <li>d. Database created</li> <li>e. Number of roadside ditches and culverts repaired</li> <li>f. Number of roadside culverts replaced</li> <li>g. Number of City-maintained ponds/stormwater inspected</li> </ul>	<ul style="list-style-type: none"> <li>a. Maintenance is not forecasted for pipe. Performed work on pipe is driven by findings from manhole and inlet inspections.</li> <li>b. ~1350 ft. of pipe has been repaired; 7 creek banks were reclaimed; and no material was hauled out.</li> <li>c. GIS layer is established and updated by projects are complete</li> <li>d. GIS layer is a database of new installed or existing inspected pipes. The actual inspection record is kept in the work order system. When rehab projects change pipe segments the GIS layer is updated usually within 1 year to reflect the changes.</li> <li>e. 250 ditches and culverts were repaired.</li> <li>f. Zero</li> <li>g. 8</li> </ul>
6B: MS4 Maintenance	<ul style="list-style-type: none"> <li>a. Number of inlets protected</li> <li>b. Number of events where litter intervention is provided</li> <li>c. Number of stream and creek cleanup events</li> </ul>	<ul style="list-style-type: none"> <li>a. 4,170 inlets citywide have a stormwater quality notice posted on the inlet.</li> <li>b. None (9) community cleanup events completed through KBB, Cleanup of illegal dump sites and non-point litter/debris located within the public right-of-way is a shared duty between Solid Waste and Code Enforcement. Downtown Bryan is cleaned weekly for trash and litter. This effort is inclusive of ~100 miles of swept road. As previously mentioned, trustee labor is now used to assist in community cleanups and system maintenance for correction of issues located on public property. 27 (\$38,836) trustee projects were completed this reporting period.</li> <li>c. ~1,040 yards of waste are collected and removed through street sweeping (4 yds/day x 2 trucks). Waste associated with tree trimming and right-of-way clearance is not tracked</li> </ul>
6C: MS4 Maintenance	<ul style="list-style-type: none"> <li>a. Number of cleanup events participated in by City staff</li> <li>b. Number of KBB-led events performed</li> <li>c. Number of stream and creek cleanup events</li> <li>d. Number of Solid Waste Assessment Workers Employed</li> </ul>	<ul style="list-style-type: none"> <li>a. Nine (9) community cleanup events completed through KBB, Cleanup of illegal dump sites and non-point litter/debris located within the public right-of-way is a shared duty between Solid Waste and Code Enforcement. As previously mentioned, trustee labor is now used to assist in community cleanups and system maintenance for correction of issues located on public property. 36 (~ \$38,000)</li> <li>b. KBB completed its Litter Index for four sites – See Appendix 6. Trustees proactively complete pre and post rain event checks of all creek crossings in the City of Bryan along with in house staff.</li> <li>c. No stream cleanup</li> <li>d. 3 fulltime employees are hired to preform litter collection and removal from the right-of-way.</li> </ul>

## 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))

The City of Bryan performs visual inspections and cleaning of its inlets and storm sewer system, conducts smoke testing and dry weather inspections to indemnify illicit connections, and performs scheduled sweeping of its streets and right-of-ways.

## 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))

Elements addressing water quality monitoring, infrastructure maintenance and operation, surface water runoff, and development safeguards outlined within the I-Plan are written into the SWMP to ensure continuity for reducing *E. coli* loading among both documents (I-Plan and SWMP).

The TMDL Allocation Summary table will serve as the ultimate measure of program success. Measureable milestones and implementation schedules from the I-Plan will be used to steer monitoring efforts and measure program success. SCMs addressing *E. coli* that coincide with control of *E. coli* are highlighted green in each Element.

Indicators of success regarding measures relating to *E. coli* will include: (1) number of sources identified or eliminated, (2) decrease in number of illegal dumping cases, (3) increase in reporting of illegal dumping, (4) number of educational opportunities conducted, (5) reduction in sanitary sewer overflows, and (6) increase in illegal discharge detection through dry screening.

MCMs addressing impaired waterbodies are highlighted in green within this report.

See Appendices 2 - 4

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)):

See D.1 above.

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 ( <i>E. coli</i> )	Bacteria ( <i>E. coli</i> )	Sampling efforts are performed by (1) TWRI, TCEQ, and BRA for stream sampling and (2) City of Bryan for WWTP performance.	2015/16

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>
Bacteria ( <i>E. coli</i> )	Community Education	Improve water quality within the watershed through public education and outreach.
Bacteria ( <i>E. coli</i> )	Illicit Discharge Detection and Elimination	Continue implementation of SSO initiatives in the watershed, minimizing impacts of raw sewage being spilled in the watershed due to failures in the wastewater collection and treatment system.  See Appendices 2-4
Bacteria ( <i>E. coli</i> )	Storm Sewer Screening and Illicit Discharge Inspections	Improve water quality within the watershed through storm sewer maintenance and inspection to identify and correct illicit discharges or connections.
Bacteria ( <i>E. coli</i> )	Sanitary Sewer Overflows and Infiltration	Continue implementation of SSO initiatives in the watershed, minimizing impacts of raw sewage being spilled in the watershed due to failures in the wastewater collection and treatment system.  See Appendix 2

Bacteria ( <i>E. coli</i> )	Septic Tanks	Improve identification, inspection, pre-installation planning, education, operation, maintenance, and tracking of all OSSFs in the watershed to minimize the potential negative water quality impacts from malfunctioning systems. Septic tanks are regulated by the Brazos County Health Department. The City is working with Brazos County to develop a GIS layer for tracking locations of septic tank installation in the City of Bryan to assist both agencies with system management.
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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)):

Description of bacteria-focused BMP	Comments/Discussion
Private Line Repairs/Smoke Testing	City crews proactively smoke test the sanitary sewer system for defects (public and private). 64.3 miles of sewer pipe were smoke tested for this reporting period. 240 private defects were identified and repaired. 1257.6 miles of pipe have been smoke tested since FY2012.
Sewer Line Cleaning and Inspection	Approximately 85 miles was cleaned and inspected in FY2019.
Septic Tanks	OSSFs are prohibited for installation if a property is located within 150' of a sewer service. Bryan Code has established protocols for OSSF abandonment and closure when sewer service becomes available. Septic tanks are regulated by the Brazos County Health Department.
WWTP Performance	WWTPs are operating beneath discharge permit limitations for <i>E. coli</i> . See Appendix 3.

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

Benchmark Indicator	Description/Comments
Sanitary sewer overflows (SSOs)	SSOs are point sources for <i>E. coli</i> and pollutant loading within the watershed. SSO frequency for public overflows increased for the current monitoring period compared with FY2019 (41) compared with the previous FY2018 (39).
Dry weather screening of storm sewer system	Dry weather screening is performed during routine maintenance by staff to pinpoint cross connections and line breakage. 366 inlet and manhole inspections were completed.
Illegal dumping and prohibited discharge cases worked	Code Enforcement responds to citizen complaints concerning illegal dumping and prohibited discharges. See Appendix 4
Sanitary sewer system maintenance and inspection	<p>Sanitary sewer pipe cleaning/inspection combined with smoke testing are tools used for upkeep and maintenance of the sanitary sewer system.</p> <ul style="list-style-type: none"> <li>▪ Private Defects Found (current:240, FY2018: 206)</li> <li>▪ Public Defects Found (current: 160, FY2018: 52)</li> <li>▪ Miles of Pipe Cleaned/Inspected (Current: 85: FY2018:89)</li> </ul>

## 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)):

MCM(s)	BMP	Stormwater Activity	Description/Comments
1A: Public Outreach	Community Education	<ul style="list-style-type: none"> <li>▪ Review existing outreach</li> <li>▪ Continuation of outreach</li> <li>▪ Brainstorm topics and ideas</li> <li>▪ Brainstorm new media avenues</li> </ul>	This MCM is a continuous effort that will be performed for the remainder of the permit term
1B: Public Education	School Education	<ul style="list-style-type: none"> <li>▪ Continue existing outreach program with schools</li> <li>▪ Evaluate existing programs for program expansion</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term. BEE Bins are no longer utilized for education.</li> <li>▪ This program and measure will be evaluated and amended as needed.</li> </ul>
1C: Public Education	Construction Site Operator Education	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and services</li> <li>▪ Evaluate outreach materials and modify as needed</li> <li>▪ Complete annual multi-sector training for affected staff</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
1D: Public Education	City Staff Education	<ul style="list-style-type: none"> <li>▪ Evaluate training materials and modify as needed</li> <li>▪ Complete annual multi-sector training for affected staff</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
1E: Public Education	Public Participation/Volunteer Activities	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and services</li> <li>▪ Brainstorm avenues for increasing public participation</li> <li>▪ Update website with Annual Report</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
2A: Illicit Discharge	Illicit Discharge Detection and Elimination	<ul style="list-style-type: none"> <li>▪ Implement training program for illicit discharge investigation and elimination</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
2B: Illicit Discharge	Storm Sewer Screening and Illicit Discharge Inspections	<ul style="list-style-type: none"> <li>▪ Implement training program for illicit discharge investigation and elimination</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>

2C: Illicit Discharge	Storm Sewer Screening and Illicit Discharge Inspections	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and services</li> <li>▪ Identify and correct illicit discharge/connections</li> <li>▪ Establish training program for illicit discharge investigation and elimination</li> <li>▪ Facilitate mechanism for reporting and response to residential concerns regarding illegal dumping and discharge of non-stormwater materials</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
2D: Illicit Discharge	Sanitary Sewer Overflows and Infiltration	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and services</li> <li>▪ Identify and correct illicit discharge/connections</li> <li>▪ Establish training program for illicit discharge investigation and elimination</li> <li>▪ Facilitate mechanism for reporting and response to residential concerns regarding illegal dumping and discharge of non-stormwater materials</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
2E: Illicit Discharge	Storm Sewer Map Verification and Update	<ul style="list-style-type: none"> <li>▪ Inspect and verify condition of outfall and water quality</li> <li>▪ Inspect and verify condition of manholes and inlets (20% of system)</li> <li>▪ Expansion and maintenance of GIS layers</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
2F: Illicit Discharge	Household Hazardous Waste and Oil Recycling	<ul style="list-style-type: none"> <li>▪ Continuation of used oil recycling services</li> <li>▪ Increase marketing and outreach of recycling services</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
2G: Illicit Discharge	Septic Tanks	<ul style="list-style-type: none"> <li>▪ Continuation of application review with BCHD</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
3A: Construction Run Off	Construction Plan Review	<ul style="list-style-type: none"> <li>▪ Continuation of Site Development Review and plans review process for Capital Improvement Projects</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>

3B: Construction Run Off	Inspection of Construction Sites and Enforcement of Control Measure Req.	<ul style="list-style-type: none"> <li>▪ Continuation of inspection protocol – (1) at least 1 inspection every 30 days for each active project and (2) after major rain events</li> </ul>	<ul style="list-style-type: none"> <li>▪ In 2017, a full time drainage inspector was hired for inspection of small and large construction sites.</li> <li>▪ The inspector has bolstered the City's efforts to achieve compliance with construction-site inspection requirements and has resulted in increased enforcement actions.</li> <li>▪ Large sites, sites within a Common Area of Development, and sites with recurring deficiencies received inspections more frequently.</li> <li>▪ All contractors are required to follow the Drainage Design Guidelines.</li> </ul>
3C: Construction Run Off	Maintain Legal Authority and Guidelines	<ul style="list-style-type: none"> <li>▪ Review existing ordinances and control mechanisms for conformance relating to General Permit requirements</li> <li>▪ Internal planning and discussion</li> <li>▪ Amend or propose new ordinance language where needed</li> </ul>	<ul style="list-style-type: none"> <li>▪ Spreadsheet used for data management relating to construction stormwater permits (NOI, NOT, CSN). City of Bryan future online permitting system will track this information in real time when it is implemented.</li> </ul>
4A: Post Construction	Bryan City Code Review and Updates	<ul style="list-style-type: none"> <li>▪ Identify needed change to Bryan City Code with regard to federal state, and local environmental regulations and design practices</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
4B: Post Construction	Establish Post- Construction Stormwater Management Program	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Development written procedures for enforcement, and management mechanism for post-construction stormwater management</li> <li>▪ Review data acquisition procedures and revise as necessary</li> <li>▪ Track number of new development and redevelopment projects meeting MS4 monitoring requirements</li> <li>▪ Evaluate long-term operation and maintenance of stormwater controls</li> <li>▪ Document enforcement actions enacted</li> </ul>	<ul style="list-style-type: none"> <li>▪ Written procedures are in development and envisioned to be complete with our new permit. Full time drainage inspector will be continue to coordinate with participating departments in the creation of the SOPs for post construction.</li> </ul>

4C: Post Construction	Evaluation of Flood Control Projects	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Evaluate City capital improvement projects for flood control on a case-by-case basis to assess feasibility of incorporating stormwater controls to address water quality</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term.</li> <li>▪ Detention pond inspection program has continued and will continue through future terms.</li> </ul>
5A: Pollution Prevention & Housekeeping	Municipal Facilities Identification	<ul style="list-style-type: none"> <li>▪ Continue to draft facility SOPs</li> <li>▪ Create inspection/assessment form</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5B: Pollution Prevention & Housekeeping	Training for Municipal Employees	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Perform department-specific annual training of staff execution of the City's SWMP</li> <li>▪ Complete annual multi-sector training for affected staff</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5C: Pollution Prevention & Housekeeping	Contractor Training Oversight	<ul style="list-style-type: none"> <li>▪ Revise bid and contract documents to include contractor performance requirements relating to SWMP</li> <li>▪ Utilize mandatory pre-bid meetings as outreach (as necessary)</li> <li>▪ Establish protocol for documenting contractor training</li> <li>▪ Establish protocol for documenting poor contractor performance</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5D: Pollution Prevention & Housekeeping	Waste Management	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Perform task/department-specific annual training of staff execution of the City's SWMP</li> <li>▪ Draft task/facility-specific SOPs</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5E: Pollution Prevention & Housekeeping	Pesticides, Herbicides and Fertilizer Application	<ul style="list-style-type: none"> <li>▪ Continuation of service</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>

5F: Pollution Prevention & Housekeeping	Street Sweeping	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Sweep all streets at least 2 times per year; thoroughfares at least 4 times per year; city-owned parking lots 4 times per year</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5G: Pollution Prevention & Housekeeping	Grass Clippings, Leaf Litter, and Animal Waste	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Review existing outreach</li> <li>▪ Continuation of outreach</li> <li>▪ Review legal authority and amend as necessary</li> <li>▪ Enforcement of city ordinances</li> </ul>	<ul style="list-style-type: none"> <li>▪ Revision of the Solid Waste Ordinance, adoption of a Municipal Setting Designation, and adoption of Local Limits for Thompsons Creek is forecasted for the next reporting period</li> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5H: Pollution Prevention & Housekeeping	Road and Parking Lot Maintenance	<ul style="list-style-type: none"> <li>▪ Continuation of service</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5I: Pollution Prevention & Housekeeping	Cold Weather Conditions	<ul style="list-style-type: none"> <li>▪ Continuation of service</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5J: Pollution Prevention & Housekeeping	Spill Response	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Review existing protocols</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
5K: Pollution Prevention & Housekeeping	WWTP Performance	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
6A: MS4 Maintenance Activities	System Repair and Maintenance	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Record damaged storm drain piping and schedule maintenance</li> <li>▪ Investigate roadside ditches and culverts through service requests</li> <li>▪ Asset management through GIS and database</li> <li>▪ 20% system inlets inspected per year</li> <li>▪ Clean and repair system inlets as needed</li> <li>▪ Inspect all city-maintained retention and detention ponds annually</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>

6B: MS4 Maintenance Activities	Water Quality and Flood Control Structures	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Record damaged storm drain piping and schedule maintenance</li> <li>▪ Investigate roadside ditches and culverts through service requests</li> <li>▪ Asset management through GIS and database</li> <li>▪ 20% system inlets inspected per year</li> <li>▪ Clean and repair system inlets as needed</li> <li>▪ Inspect all city-maintained retention and detention ponds annually</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
6C: MS4 Maintenance Activities	Floatables	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>
6D: MS4 Maintenance Activities	Litter Abatement	<ul style="list-style-type: none"> <li>▪ Continuation of existing programs and focus</li> <li>▪ Support and participate in regional litter abatement programs (Keep Brazos Beautiful, Texas Trash Off, Big Event, etc.).</li> <li>▪ Support and participate in service projects and volunteer efforts regarding illegal dumping</li> <li>▪ Right-of-way litter collection by Solid Waste Assessment Workers</li> </ul>	<ul style="list-style-type: none"> <li>▪ This MCM is a continuous effort that will be performed for the remainder of the permit term</li> </ul>

## F. SWMP Modifications

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

\_\_\_ Yes  X  No



## 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)).

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 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:

Name and Explanation:

Name and Explanation:

Name and Explanation:

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: \_\_\_\_\_

### 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)) 40

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)):

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

**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): Kean Register Title: City Manager

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

Name (printed): Jayson Barfknecht, PhD. P.E Title: Public Works Director

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

Name (printed): Paul Kasper, P.E. Title: City Engineer

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

Name (printed): Martin Zimmermann, AICP Title: Assistant Director of Development Srvc

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

Name (printed): Robert Willis Title: Streets & Drainage Supervisor

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

Name (printed): Mark Jurica Title: Treatment & Compliance Manager

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

**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).