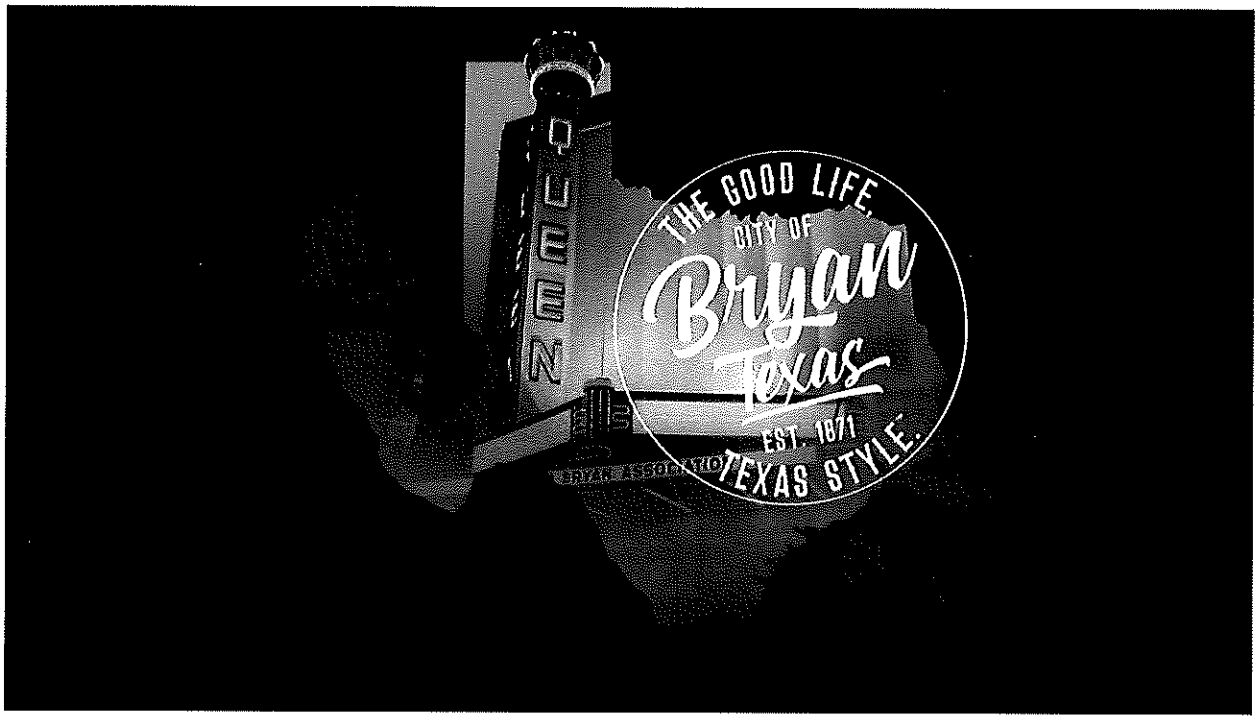

City of Bryan

Storm Water Management Program

Year Two Annual Report

Prepared in accordance with TPDES General Permit TXR040000

December 15, 2020

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): 2

Annual Reporting Year Option Selected by MS4:

Calendar Year:_____

Permit Year:_____

Fiscal Year: X Last day of fiscal year: (September 30, 2020)

Reporting period beginning date: (month/date/year) October 1, 2019

Reporting period end date: (month/date/year) September 30, 2020

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 to: 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.B.2)

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		The City is implementing enforcement in the construction area. Training will be increased in certain areas on compliance.
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		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. I-Plan for the Carters/Burton Creek TMDL is complete. Added work for the TMDL study area is expected in the next reporting period, and may result in changes made to the SWMP.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		Departments have reviewed their sections for compliance with the SWMP and annual report.

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)
1A: Public Outreach	Community Education	Yes. Simple activities such as fertilizing, vehicle maintenance, and home improvements adversely affect 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 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 Operation Education	Yes. Inspections and education are a prime vehicle to advise operators of their responsibilities to the management of waste, erosion controls, and sediment as points of concern. As well as the implementation of erosion control plans to manage the degradation of water quality.

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. Public Works hosts monthly departmental 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 and 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 available. 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	Yes. Inspection of construction sites and enforcement of control measure requires site compliance. Currently the record keeping is maintained electronically through access, pdf format and photographic records. We are able to track the type and number of noncompliance issues per contractor per location.
3C: Construction Run Off	Maintain Legal Authority and Guidelines	Yes. The City will maintain its legal authority and update as necessary to comply with the TXR150000, and TXR040000 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.
4A: Post Construction	Bryan City Code Review and Updates	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.
4B: Post Construction	Establish Post-Construction Stormwater Management Program	Yes. Some components of this program exist but development of a more formal program is still needed. For large residential sites and commercial sites, a one-year warranty inspection is performed at which time the owner remedies any deficiencies. 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.

4C: Post Construction	Evaluation of Flood Control Projects	Yes. The City evaluates capital improvement projects each year that offer the potential to integrate water quality design features into flood management-focused design. 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.
4D: Post Construction	Implementation and Performance of Structural /Non-Structural	Yes. The detention pond inspection program was certified and 27 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 *E. coli* loading associated effluent discharges from the Burton Creek WWTP. Proper operation and maintenance of each WWTP plays a key role in reducing *E. coli* loading to each plant's receiving stream.
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 collaborates with Keep Brazos Beautiful (KBB) for (1) promoting educational awareness regarding environmental stewardship, (2) coordinating volunteer efforts in litter collection, and (3) benchmarking aesthetics for city streets and right-of-ways.

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	Community Education	Outreach Opportunities	Common Code Violations (publication) Down Stream (publication) Outreach (outreach was limited as a result of COVID)	Publications Events	Yes. Heavy emphasis on public education is focused towards 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	a. 42 b. 93 c. 16.7	a. SSOs b. Defects Found c. Miles of Pipe Tested	Yes. The City submitted an SSOI Application to TCEQ for program enrollment. Approval is pending TCEQ approval. The City has implemented its SSOI plan by implementing a CMOM Self Audit and beginning 3rd party smoke testing of the Burton Creek service basin.
3	Construction Site Management	Plans Reviewed	658	Permits Issued	Yes. Sites that are larger than 1 and 5 acres or are part of a common plan of development are inspected on a regular basis with goal of inspecting at least monthly.
4	Construction Site Management	Post Construction Controls	3	Inspections	Yes. Commercial and Residential subdivisions having public infrastructure associated with them (3) were inspected at the 1-year warranty period; 27 detention pond inspections were performed.

5	Training for Municipal Employees	Employees Trained	204	Employees Trained	Yes. Training on topics relating to MS4 increase employee education and awareness to permit conditions and responsibilities.
6	System Screening	Inlet Inspections	560	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.

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):**

<table>
<tr><th>MCM(s)</th><th>Measurable Goal(s)</th><th>Explain progress toward goal or how goal was achieved.
If goal was not accomplished, please explain.</th></tr>
<tr><td>1A: Public Outreach</td><td>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</td><td>a. 0
b. Web traffic tracked by Google Analytics. Traffic count:

<table>
<tr><th>Web Page</th><th>FY19 Page Views</th><th>FY20 Page Views</th><th>% Change</th></tr>
<tr><td>Code Enforcement</td><td>5,961</td><td>7,513</td><td>+24.04%</td></tr>
<tr><td>Permits</td><td>8,992</td><td>14,545</td><td>+61.75%</td></tr>
<tr><td>Building Services</td><td>6,066</td><td>8,710</td><td>+43.59%</td></tr>
<tr><td>Building Design</td><td>538</td><td>782</td><td>+43.35%</td></tr>
<tr><td>Building FAQ</td><td>1,569</td><td>2,490</td><td>+58.70</td></tr>
<tr><td>Environmental Services</td><td>20,281</td><td>33,585</td><td>+65.60%</td></tr>
<tr><td>Stormwater Management</td><td>406</td><td>602</td><td>+21.37%</td></tr>
</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%</td></tr>
</table>

1B: Public Education	a. Number of presentations b. Number of school events attended c. Percentage of outreach materials offered in dual language	a. 0 – COVID 19 b. 0 – COVID 19 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. A. 55 pre-construction meeting, 12 Capital Improvement Projects b. 28
1D: Public Education	a. Number of employees trained in SWMP b. Number of training sessions completed c. Number of employees trained in multi-sector permit	a. 204 b. 4 c. 18

1E: Public Education	a. Number of cleanups performed by volunteers b. Number of volunteer sampling events (TMDL) c. Website updated	a. 9: Sam Rayburn Middle School (2), SOS Ministries, Sue Haswell Park (4), Sadie Thomas Park, Heritage Park, Lions Park, Tanglewood Park (3), Crescent Park Bob Cherry Park, Tiffany Park (2), Allen's Ridge Park, Camelot Park, Austin's Colony Greenway , Austin's Colony Park (2), BRAC Nature Trail, Kemp Carver Elementary, Henderson Park (4), Bonham Park, Grandview Cemetery, Astin Park, Villa West Park, Castle Heights Park, Area Around Bryan Premiere Theater, Austin's Colony Drive b. TDML project has completed. No sampling events have been performed. Control measure will be retained for reconnaissance performed by the City or other. c. City of Bryan website is updated annually with the submitted annual report.
2A: Illicit Discharge	a. Number of illicit discharge sources identified and corrected b. Number and types of illicit discharge related to work order type requests issued c. TCEQ SSO Initiative objectives met	a. 258 (165 sewer/water cases, 43 private defects, 50 sewer main defects) b. 258 (165 sewer/water cases, 43 private defects, 50 sewer main defects) c. SSOI term completed. Enrollment into the program was requested. TCEQ acceptance remains pending. Water Services has begun implementation SSOI objectives to remain consistent with its pending SSOI application. A CMOM Self Audit is underway and is performed in conjunction with study of the Burton Creek service area. Burton Creek Sewer Study (PO 200913/$876,134/Pipeline Analysis, LLC)

2B: Illicit Discharge	a. Number of Sanitary Sewer Overflows (SSO) b. Miles of sanitary sewer pipe cleaned c. Miles of pipe inspected for root invasion d. Number of sewer sub-basins inspected using smoke testing e. Number of private side sewer defects identified and repaired f. Number of public side sewer defects identified and repaired g. Number of grease traps inspected h. Number of educational events attended i. Number of educational materials distributed j. TCEQ SSO initiative objectives met	a. 42 b. 112 c. 112 d. 3 e. 43 (not inclusive of Code Enforcement cases) f. 50 g. 0 – Covid 19 h. 0 – Covid 19. $6,598.02 in promotional items were ordered this reporting period. i. Items were not distributed. j. SSOI term completed. See response provided above – 2A Illicit Discharge

2C: Illicit Discharge	a. Number and types of updates to asset inventory and map b. Number of manholes and inlets inspected c. GIS layer updated and current	a. Assets are updated to GIS in real-time. Changes made to GIS are driven by (1) field observations and (2) new construction b. 560 manholes and 560 inlets were inspected this reporting period. c. GIS is updated daily to reflect changes and/or additions made to the water and sewer system base maps.
2D: Illicit Discharge	a. Participation rates per HHW reporting year b. Number of HHW events hosted per year c. Volume of used motor oil and cooking oil recycled	a. Traffic Count: October 2019 (1,790 vehicles) b. 1 c. 2,195 gallons of used oil and 10 drums of filter from DIY Oil Center, 5,200 lbs. of cooking grease from DIY Oil Center.
2E: Illicit Discharge	a. Number of septic tanks removed from service in city limits b. Number of enforcement actions against septic tanks located in the city limits	a. 0 b. 1 complaint was submitted to the County Health District, there are 2 permitted systems and 1 application for permit.

3A: Construction Run Off	a. Number of outreach materials distributed b. Number of dual language materials created c. Number of Site Development Review cases d. Number of Building Permits issued e. Number of designed Capital Improvement Projects – percentage of Capital Improvement Projects with SWPPP f. Number of engineered construction plans related to public infrastructure g. Number of small residential construction site plans reviewed	a. 56 b. 0 c. 204 d. 658 Homebuilding e. 12 Capital Improvement Projects went to construction in FY19-20; Out of those 12, 3 was complete in FY19-20. 9 Capital Projects are in design and will have SWPPP requirements when they bid. 100% of the Capital Projects have SWPPP requirements. f. 48 g. 574 Single and multi-family dwelling

3B: Construction Run Off	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	a. 7 b. 48 c. 3,421 Homebuilding (common plan of development located within the City limits)/development & commercial (Stormwater Quality Inspector) and 140 Development/CIP (Engineering Inspectors) d. 2,525 non-compliant of 3,421 total inspections e. 2,500 inspection reports sent out and corrections were made. f. 255 Inspection were completed and were either homebuilding or development
3C: Construction Run Off	a. Number of ordinances reviewed b. Number of ordinance amendments made or new ordinance adopted	a. 1 Stormwater Management Chapter 46 Article III b. 0

4A: Post Construction	a. Number of ordinances reviewed b. Number of ordinances modified c. Number of new ordinances adopted	a. 1 Stormwater Management Chapter 46 Article III b. 1 c. 0
4B: Post Construction	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	a. Database established in 2019, an online permitting/inspection software is in the process of being launched to further enhance our inspection process. b. 2,440 Homebuilding/Development and Commercial and 140 Development/CIP and 1,602 Structural inspections c. 0 – voluntary compliance on issues noted d. The online permitting/inspection process is under development. The process is being 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.

4C: Post Construction	a. Number of flood control and drainage construction projects with water quality measures initiated b. Number of flood control and drainage construction projects with water quality measures completed c. Types and locations of measures implemented d. Evaluate continued operation and maintenance practices	a. 34 b. 8 c. There were 12 projects that have gone through the design process and 4 have been completed. There are 9 projects planned in next reporting period. Detention pond inspections continued throughout this term and will continue in future terms. d. A total of 27 ponds inspections were performed for existing facilities, with the goal to perform inspections on a 3-year rotation.
4D: Post Construction	a. Number of new and redevelopment projects over 1 acre b. Number, type(s) and locations of LID features implemented at City facilities c. Evaluate continued operation and maintenance practices	a. 33 b. 0 c. Ongoing

5A: Pollution Prevention & Housekeeping	a. Applicable facilities identified b. Database created c. GIS layer created d. Facility assessments complete	a. City-owned facilities identified, databased, and mapped. The City-owned facility inventory, is updated as changes are made. b. Yes c. Yes d. 6
5B: Pollution Prevention & Housekeeping	a. Number of employees trained in SWMP b. Number training sessions completed c. Number of employees trained in multi-sector permit	a. 204 b. 4 c. 18
5C: Pollution Prevention & Housekeeping	a. Number of contractors educated on City's SWMP b. Number of outreach materials completed c. Number of contractor forms completed for not meeting contact obligations	a. 7 (Public works = ROW moving, parks mowing vegetation control and site work) b. (1) 2 Documents exist for contractor education: Keep it Clean, General Construction and Site Supervision to Improve Stormwater Quality – (2) City's website and (3) Bryan / College Station Unified Design Standards. See Section 4, MCM 1 for web traffic information c. 0

5D: Pollution Prevention & Housekeeping	a. Number of City-sponsored in-house recycling efforts (city administration) b. Number of waste types recycled c. Percentage of facilities covered by a SOP and the number of inspections performed to verify SOP execution	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. 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 = 5,490 tons. WWTP Sludge = 3,700 dry metric tons. c. 7 facility assessments were performed this year: Fountain Street Fuel, MSC Fuel, MSC Facility, Parks/Facilities Building, Burton Creek WWTP, Still Creek WWTP, and Thompsons Creek WWTP. 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. 6 SOPs reviewed this reporting period (Traffic/Water/Environmental Services): Fuel Islands, Fertilizer/Herbicide/Pesticide, Wastewater Plants (TXR05000), Street Repair, Vehicle Washing, and Parking Lot Maintenance.
5E: Pollution Prevention & Housekeeping	a. SOP completed b. Schedule completed c. Number of licensed applicators employed by the City	a. SOPs completed – November 2014. All SOPs reviewed this reporting period. b. General guidance for application and use is found in the SOP. Frequency and occurrence for application is based upon season and weather c. 3

5F: Pollution Prevention & Housekeeping	a. Number of street miles swept b. Volume of debris collected through sweeping	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. 118 citizen requested sweep orders were completed. Citizen orders are added to the scheduled sweeping frequency b. ~1,040 yards of waste
5G:Pollution Prevention & Housekeeping	a. Number of outreach materials created b. Number of PSAs created c. Percentage of City parks providing animal waste stations	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 b. 0 new PSAs created – continuation of existing practices c. 50%. Installation of the stations is determined by park age and size
5H: Pollution Prevention & Housekeeping	a. SOPs completed b. Number of deicing events (location and volume) c. Number of road projects completed (maintenance)	a. SOPs completed – November 2014. SOPs reviewed this reporting period (Traffic/Water/Environmental Services): Fuel Islands, Fertilizer/Herbicide/Pesticide, Wastewater Plants (TXR05000), Street Repair, Vehicle Washing, and Parking Lot Maintenance. b. Zero c. 397 road projects completed. 253 concrete patches completed. 344 in house road repairs completed (asphalt). 371 potholes completed. 125 sewer utility cuts completed. 128 water utility cuts completed.
5I: Pollution Prevention & Housekeeping	a. Number of city employees trained in spill response b. Number of spill events requiring response	a. The Bryan Fire Department (145) serves as the City's lead for emergency response and site containment. b. Bryan Fire Department maintains an inventory record for dispatch calls and response. 18 responses requiring spill/containment response were recorded.

5J: Pollution Prevention & Housekeeping	a. TPDES Discharge Permit met b. Discharge monitoring reports submitted	a. Permit compliance met for WWTPs. TCEQ granted reduced sample frequency for *E. coli* at Burton Creek, Still Creek, and Thompsons Creek WWTPs b. Monthly and reclaimed water discharging monitoring reports submitted monthly
6A: MS4 Maintenance	a. Number of pipe areas scheduled for maintenance b. Number of repairs completed c. GIS layer created d. Database created e. Number of roadside ditches and culverts repaired f. Number of roadside culverts replaced g. Number of maintained ponds / stormwater inspected	a. Maintenance is not forecasted for pipe. Performed work on pipe is driven by findings from manhole and inlet inspections. b. ~1830 ft. of pipe has been repaired; 2 creek banks were reclaimed; and no material was hauled out. c. GIS layer is established and updated by projects are complete 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. e. 107 ditches and culverts were repaired. f. 0 g. 8

6B: MS4 Maintenance	a. Number of inlets protected b. Number of events where litter intervention is provided c. Number of stream and creek cleanup events	a. 4,170 inlets citywide have a stormwater quality notice posted on the inlet. b. 0 community cleanup events completed through KBB, but 35 volunteer cleanups were completed by KBB at various locations throughout the City. COVID 19 influences community cleanup events. Clean up of illegal dumpsites 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. Trustee labor is now used to assist in community cleanups and system maintenance for correction of issues located on public property. $45,000 is budgeted for trustee labor to assist in cleanup and system maintenance for public rights-of-way. 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
6C. MS4 Maintenance	a. Number of cleanup events participated in by City staff b. Number of KBB-led events performed c. Number of stream and creek cleanup events d. Number of Solid Waste Assessment Workers Employed	a. 0 community cleanup events completed through KBB. COVID 19 influences community cleanup events. Clean up of illegal dumpsites and non-point litter/debris located within the public right-of-way is a shared duty between Solid Waste and Code Enforcement. Trustee labor is used to assist in community cleanups and system maintenance for correction of issues located on public property. $45,000 is budgeted for trustee labor to assist in cleanup and system maintenance for public rights-of-way. b. 0 community cleanup events completed through KBB, but 35 volunteer cleanups were completed by KBB at various locations throughout the City. COVID 19 influences community cleanup events. c. No stream cleanups completed this reporting period. d. 3 fulltime employees are hired to preform litter collection and removal from the right-of-way.

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.?

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. 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.

   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 between both documents (I-Plan and SWMP). The I-Plan for the study area is complete. New focus for the study area is expected in the next reporting period and may result in changes made to the SWMP.

   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.

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.

   See D.1 above.

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

   See D.1 above.

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

Benchmark Parameter ***(Ex: Total Suspended Solids)***	**Benchmark Value**	**Description of additional sampling or other assessment activities**	**Year(s) conducted**
Bacteria *(E. coli)*	Bacteria *(E. coli)*	Sampling efforts are performed by City of Bryan for WWTP performance.	Sampling efforts are performed by City of Bryan for WWTP performance.

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

Benchmark Parameter	**Selected BMP**	**Contribution to achieving Benchmark**

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

Description of bacteria-focused BMP	**Comments/Discussion**
Sanitary sewer overflows (SSOs)	SSOs are point sources for *E. coli* and pollutant loading within the watershed. SSO frequency for public overflows increased for the current monitoring period compared with FY2020 (42) compared with the previous FY2019 (41).
Dry weather screening of storm sewer system	Dry weather screening is performed during routine maintenance by staff to pinpoint cross connections and line breakage. 560 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.
Sanitary sewer system maintenance and inspection	Sanitary sewer pipe cleaning/inspection combined with smoke testing are tools used for upkeep and maintenance of the sanitary sewer system. ▪ Private Defects Found (current: 43, FY2019: 240) ▪ Public Defects Found (current: 50, FY2019: 60) Miles of Pipe Cleaned/Inspected (Current: 112: FY2019:88

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

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

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

Benchmark Indicator	Description/Comments

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
1A: Public Outreach	Community Education	▪ Review existing outreach ▪ Continuation of outreach ▪ Brainstorm topics and ideas ▪ Brainstorm new media avenues	This MCM is a continuous effort that will be performed for the remainder of the permit term

1B: Public Education	School Education	▪ Continue existing outreach program with schools ▪ Evaluate existing programs for program expansion	▪ 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. ▪ This program and measure will be evaluated and amended as needed.
1C: Public Education	Constructi on Site Operator Education	▪ Continuation of existing programs and services ▪ Evaluate outreach materials and modify as needed ▪ Complete annual multi-sector training for affected staff	This MCM is a continuous effort that will be performed for the remainder of the permit term
1D: Public Education	City Staff Education	▪ Evaluate training materials and modify as needed ▪ Complete annual multi-sector training for affected staff	This MCM is a continuous effort that will be performed for the remainder of the permit term
1E: Public Education	Public Participation /Volunteer Activities	▪ Continuation of existing programs and services ▪ Brainstorm avenues for increasing public participation ▪ Update website with Annual Report	This MCM is a continuous effort that will be performed for the remainder of the permit term
2A: Illicit Discharge	Illicit Discharge Detection and Elimination	Implement training program for illicit discharge investigation and elimination	This MCM is a continuous effort that will be performed for the remainder of the permit term

2B: Illicit Discharge	Storm Sewer Screening and Illicit Discharge Inspections	▪ Continuation of existing programs and services ▪ Identify and correct illicit discharge /connections ▪ Establish training for illicit discharge investigation and elimination ▪ Facilitate mechanism for reporting and response to residential concerns regarding illegal dumping and discharge of non-stormwater materials	This MCM is a continuous effort that will be performed for the remainder of the permit term
2C: Illicit Discharge	Storm Sewer Screening and Illicit Discharge Inspections	▪ Continuation of existing programs and services ▪ Identify and correct illicit discharge/connections ▪ Establish training program for illicit discharge investigation and elimination ▪ Facilitate mechanism for reporting and response to residential concerns regarding illegal dumping and discharge of non-stormwater materials	This MCM is a continuous effort that will be performed for the remainder of the permit term

2D: Illicit Discharge	Sanitary Sewer Overflows and Infiltration	▪ Continuation of existing programs and services ▪ Identify and correct illicit discharge/connections ▪ Establish training program for illicit discharge investigation and elimination ▪ Facilitate mechanism for reporting and response to residential concerns regarding illegal dumping and discharge of non-stormwater materials	This MCM is a continuous effort that will be performed for the remainder of the permit term
2E: Illicit Discharge	Storm Sewer Map Verification and Update	▪ Inspect and verify condition of outfall and water quality ▪ Inspect and verify condition of manholes and inlets (20% of system) ▪ Expansion and maintenance of GIS layers	This MCM is a continuous effort that will be performed for the remainder of the permit term
2F: Illicit Discharge	Household Hazardous Waste and Oil Recycling	▪ Continuation of used oil recycling services ▪ Increase marketing and outreach of recycling services	This MCM is a continuous effort that will be performed for the remainder of the permit term
2G: Illicit Discharge	Septic Tanks	Continuation of application review with BCHD	This MCM is a continuous effort that will be performed for the remainder of the permit term

3A: Construction Run Off	Construction Plan Review	Continuation of Site Development Review and plans review process for Capital Improvement Projects	This MCM is a continuous effort that will be performed for the remainder of the permit term
3B: Construction Run Off	Inspection of Construction Sites and Enforcement of Control Measure Req.	Continuation of inspection protocol – (1) at least 1 inspection every 30 days for each active project	▪ Full-time Stormwater Quality Inspector inspections of small and large construction sites. ▪ The inspector has bolstered the City's efforts to achieve compliance with construction-sites per the construction general permit TXR150000 ▪ Large and small sites are inspected regularly with follow up inspections as necessary, typically within 2 weeks of non-compliance notification. ▪ All contractors are required to follow the Drainage Design Guidelines.

3C: Construction Run Off	Maintain Legal Authority and Guidelines	▪ Review existing ordinances and control mechanisms for conformance relating to General Permit requirements ▪ Internal planning and discussion ▪ Amend or propose new ordinance language where needed	▪ Currently Code of Ordinance Chapter 46 is under review for possible changes for enforcement in noncompliance cases. ▪ File storage is used for data management relating to construction stormwater permits (NOI, NOT, CSN). ▪ Standardized comments have been implemented to notify owners and contractors of their requirements concerning the TCEQ Construction General Permit. ▪ City of Bryan future online permitting system will track this information in real time when it is implemented.
4A: Post Construction	Bryan City Code Review and Updates	Identify needed change to Bryan City Code with regard to federal state, and local environmental regulations and design practices	This MCM is a continuous effort that will be performed for the remainder of the permit term. Currently Code of Ordinance Chapter 46 is under review for possible changes for enforcement in noncompliance cases.

4B: Post Construction	Establish Post-Construction Stormwater Management Program	▪ Continuation of existing programs and focus ▪ Development of written procedures for enforcement and management mechanisms for post-construction stormwater ▪ Review data acquisition procedures and revise as necessary ▪ Track number of new development and redevelopment projects meeting MS4 monitoring requirements ▪ Document enforcement actions enacted	▪ Written procedures are in development and are envisioned to be completed with our new permit. ▪ A full time stormwater quality inspector will continue to coordinate with participating departments in the creation of SOPs for post construction.
4C: Post Construction	Evaluation of Flood Control Projects	▪ Continuation of existing programs and focus ▪ 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	▪ This MCM is a continuous effort that will be performed for the remainder of the permit term. ▪ Detention pond inspection program has continued and will continue through future permit terms.
5A: Pollution Prevention & Housekeeping	Municipal Facilities Identification	▪ Continue to draft facility SOPs ▪ Create inspection/assessment form	This MCM is a continuous effort that will be performed for the remainder of the permit term

5B: Pollution Prevention & Housekeeping	Training for Municipal Employees	▪ Continuation of existing programs and focus ▪ Perform department-specific annual training of staff execution of the City's SWMP ▪ Complete annual multi-sector training for affected staff	This MCM is a continuous effort that will be performed for the remainder of the permit term
5C: Pollution Prevention & Housekeeping	Contractor Training Oversight	▪ Revise bid and contract documents to include contractor performance requirements relating to SWMP ▪ Utilize mandatory pre-bid meetings as outreach (as necessary) ▪ Establish protocol for documenting contractor training ▪ Establish protocol for documenting poor contractor performance	This MCM is a continuous effort that will be performed for the remainder of the permit term
5D: Pollution Prevention & Housekeeping	Waste Management	▪ Continuation of existing programs and focus ▪ Perform task/department-specific annual training of staff execution of the City's SWMP ▪ Draft task/facility-specific SOPs	This MCM is a continuous effort that will be performed for the remainder of the permit term

5E: Pollution Prevention & Housekeeping	Pesticides, Herbicides, and Fertilizer Application	▪ Continuation of existing programs and focus ▪ Perform task/department specific annual training of staff execution of the City's SWMP ▪ Draft Task/facility – specific SOPs	This MCM is a continuous effort that will be performed for the remainder of the permit term
5F: Pollution Prevention & Housekeeping	Street Sweeping	▪ Continuation of existing programs and focus ▪ Sweep all streets at least 2 times per year; thoroughfares at least 4 times per year; city-owned parking lots 4 times per year	This MCM is a continuous effort that will be performed for the remainder of the permit term
5G: Pollution Prevention & Housekeeping	Grass Clippings, Leaf Litter, and Animal Waste	▪ Continuation of existing programs and focus ▪ Review existing outreach ▪ Continuation of outreach ▪ Review legal authority and amend as necessary ▪ Enforcement of city ordinances	▪ 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 ▪ This MCM is a continuous effort that will be performed for the remainder of the permit term
5H: Pollution Prevention & Housekeeping	Road and Parking Lot Maintenance	Continuation of service	This MCM is a continuous effort that will be performed for the remainder of the permit term

5I: Pollution Prevention & Housekeeping	Cold Weather Conditions	Continuation of service	This MCM is a continuous effort that will be performed for the remainder of the permit term
5J: Pollution Prevention & Housekeeping	Spill Response	▪ Continuation of existing programs and focus ▪ Review existing protocols	This MCM is a continuous effort that will be performed for the remainder of the permit term
5K: Pollution Prevention & Housekeeping	WWTP Performance	Continuation of existing programs and focus	This MCM is a continuous effort that will be performed for the remainder of the permit term
6A: MS4 Maintenance Activities	System Repair and Maintenance	▪ Continuation of existing programs and focus ▪ Record damaged storm drain piping and schedule maintenance ▪ Investigate roadside ditches and culverts through service requests ▪ Asset management though GIS and database ▪ 20% system inlets inspected per year ▪ Clean and repair system inlets as needed ▪ Inspect all city-maintained retention and detention ponds annually	This MCM is a continuous effort that will be performed for the remainder of the permit term

6B: MS4 Maintenance Activities	Water Quality and Flood Control Structures	▪ Continuation of existing programs and focus ▪ Record damaged storm drain piping and schedule maintenance ▪ Investigate roadside ditches and culverts through service requests ▪ Asset management though GIS and database ▪ 20% system inlets inspected per year ▪ Clean and repair system inlets as needed ▪ Inspect all city-maintained retention and detention ponds annually	This MCM is a continuous effort that will be performed for the remainder of the permit term
6C. MS4 Maintenance Activities	Floatables	Continuation of existing programs and focus	This MCM is a continuous effort that will be performed for the remainder of the permit term

6D: MS4 Maintenance Activities	Litter Abatement	▪ Continuation of existing programs and focus ▪ Support and participate in regional litter abatement programs (Keep Brazos Beautiful, Texas Trash Off, Big Event, etc.). ▪ Support and participate in service projects and volunteer efforts regarding illegal dumping ▪ Right-of-way litter collection by Solid Waste Assessment Workers	This MCM is a continuous effort that will be performed for the remainder of the permit term

F. SWMP Modifications

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

__X__Yes____No

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

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

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

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

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

G. Additional BMPs for TMDLs and I-Plans

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

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

H. Additional Information

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

   ____ Yes __X__ No

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

Name and Explanation:

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

____ Yes __X__ No

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

____ Yes __X__ No

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

Authorization Number: N/A Permittee:

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):

65

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

___ Yes _X_ No

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

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): Kean Register Title: City Manager

Signature: _____ Date: 12/18/2020

Name (printed): Jayson Barfknecht, PhD, PE Title: Public Works Director

Signature: _____ Date: 12/15/2020

Name (printed): Paul Kaspar, PE Title: City Engineer

Signature: _____ Date: 12/15/2020

Name (printed): Martin Zimmermann, AICP Title: Asst. Dir. of Development Srvcs

Signature: _____ Date: 12/11/2020

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

Signature: _____ Date: 12/14/2020

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

Signature: _____ Date: 12/11/20

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.