The City Of
San Angelo, Texas
Engineering Services Department
301 West Beauregard Ave, San Angelo, TX, 76903

April 20, 2022

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

Re: Phase II MS4 Annual Report Transmittal for City of San Angelo
TPDES Authorization: TXR040277

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040277 for the City of San Angelo.

The annual report is for Year 3. The reporting period's beginning 1/24/2021 and ending 1/23/2022.

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

As required by the general permit, a copy of the report has been provided to the TCEQ's regional office eight (8) in San Angelo and other applicable MS4s.

Sincerely,

Shelly Paschal

Shelly Paschal
Stormwater Program Administrator
shelly.paschal@cosatx.us

Attachment: Permit Year 3 MS4 Annual Report

Cc: Winona Henry, P.E., Regional Director – TCEQ Region 8
Chris Cowen, P.E., District Engineer – San Angelo TxDOT District
Judge Stephen Floyd, Tom Green County Judge, Tom Green County
Erika Alanis Unger, Stormwater Manager – Goodfellow Air Force Base
Sam Spooner, Stormwater Manager – Angelo State University

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040277

Reporting Year: 3

Annual Reporting Year Option Selected by MS4:

Permit Year

Reporting period beginning date: 1/24/2021

Reporting period end date: 1/23/2022

MS4 Operator Level: 3 Name of MS4: City of San Angelo

Contact Name: Shelly Paschal Telephone Number: 325-657-4434

Mailing Address: 301 W. Beauregard; San Angelo, TX 76903

E-mail Address: shelly.paschal@cosatx.us

A copy of the annual report was submitted to the TCEQ Region: YES X NO

Region the annual report was submitted to: TCEQ Region 8

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 stormwater management plan has been administratively approved, but is now awaiting final approval from TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		All records kept to show compliance.

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		All eligibility requirements met.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		Annual review of SWMP conducted while this report was prepared.

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement:

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater
1	1. Stormwater Information Website	Yes. It offers an avenue to educate the public about pollution prevention and the importance of stormwater quality on a local level.
1	2. Public Reference	Yes. Allows the public access to information in print. Creates awareness for the stormwater program.
1	3. Stormwater Education Videos	Yes. Offers an opportunity to reach more of the public via YouTube channel and Public Access Channel.
1, 2	4. Storm Drain Marking	Yes. Marked drains are obvious in public areas and promote understanding of the City's stormwater drainage system and pollution prevention.
1	5. Youth Education Programs	Yes. Youth programs offer a fun way to learn about pollution prevention. Programs set a foundation for future adults to be stormwater smart.
1	6. City Employee Stormwater Education	Yes. This program ensures that City employees understand the importance of being mindful regarding stormwater and pollution prevention.

1	7. Stormwater Education for Elected Officials/Public	Yes. Elected officials represent citizens and their best interests. When they understand the importance of stormwater pollution prevention, they can positively create awareness and influence citizens' views.
1,2,3,4	8. Developer/Builder /Engineer/Realtor Education Programs	Yes. Programs and materials provided to the development community offer an opportunity to ensure compliance is achieved when construction occurs. Reaching realtors and engineering firms also assists with creating awareness among a joint interest group.
1,2,3,4,5	9. City Inspector Training	Yes. Inspectors are typically out on location in the field. Inspectors can offer an avenue to finding issues within the City. Pieces of training offer inspectors the knowledge needed to identify potential stormwater compliance issues.
1,2	10. Stormwater Public Reporting	Yes. The hotline and email reporting mechanisms offer the public a way to report stormwater issues or learn more about stormwater in San Angelo.
1,2	11. Adopt a Spot	Yes. This program directly removes trash and debris from reaching surface waters.
2	12. Illicit Discharge Detection and Elimination Program	Yes. This program allows the City the ability to ensure polluted discharges from citizens or commercial facilities are mitigated and prevented in the future.
2	13. MS4 Mapping	Yes. Mapping allows Stormwater operations to keep track of the City's stormwater conveyance system to ensure the system is maintained. Mapping also helps identify areas where improvements are needed within the system.

2	14. Bulk Trash Program	Yes. The curbside bulk pickup program reduces illegal dumping by offering citizens a way to dispose of large items that typically show up on the side of the road and often in storm drains.
2	15. Sanitary Sewer Line Maintenance and Inspection	Yes. Maintenance and inspection of sewer lines reduce the likelihood of leaks infiltrating the soil and reaching surface waters. Proper care of sewer lines also reduces the probability of system failures and main breaks.
2,3	16. Construction Site Operator Inspection and Enforcement	Yes. Regular inspections at public and private sector construction sites ensure that erosion control measures are regularly and adequately installed and maintained. It reduces the potential of sediment and other pollutants from leaving construction sites.
3	17. Site Plan Review	Yes. Site plan reviews are the first line of defense in preventing contaminated stormwater discharges. Site plans also assist in ensuring that certain businesses implement permanent structural controls based on the type of discharges that may be present at the facility.
4	18. Post-Construction Stormwater Management	Yes. The City's drainage ordinance and design specifications ensure that stormwater flows are metered to prevent flooding, erosion and offer an opportunity to reduce suspended solids in stormwater runoff.
4	19. Engineering Design Review	Yes. This review program offers an avenue to safeguard the City and surrounding properties from flooding, unauthorized discharges, and other issues that may not be included in the short term of construction. This review program protects the City long-term and offers a variety of benefits.

5	20. Chemical Applications and Materials Management	Yes. Fertilizers, pesticides, and other chemicals are necessary for certain circumstances. Proper management, storage, and application reduce the likelihood of impacts to surface waters.
2,4,5	21. Storm Sewer System/Structural Control Maintenance and Inspection	Yes. Proper maintenance of the City's storm sewer system assists with the removal of pollutants reaching surface waters and improves drainage flows.
5	22. Street Sweeping/Spoil Disposal Program	Yes. Street sweeping contributes to one of the most significant reductions in stormwater pollutants. Proper disposal of spoils also prevents contaminants in stormwater runoff.
5	23. Public Spill Response	Yes. Quick response to large spills offers a direct reduction in potential pollutants from reaching surface waters.
5	24. Municipal Facility Pollution Prevention /Good Housekeeping	Yes. This program holds municipal facilities accountable for pollution prevention and good housekeeping.
5	25. Municipal Industrial Inspection Program	Yes. This program offers the City to self-audit the performance of their industrial pollution prevention plan. The program assists City-owned permitted facilities with compliance with stormwater regulations. The program ultimately reduces the likelihood of unauthorized discharges from municipal facilities.
2,5	26. River Cleanups	Yes. River cleanups directly remove pollutants from surface waters. They also promote awareness and identification of urban impacts on stormwater quality.
1,2,5	27. Pet Waste Reduction Program	Yes. The program creates awareness and offers a solution to pet waste impacts on surface waters. This program also supports the City's focused BMPs for bacteria impairments.

1,2,5	28. Keep San Angelo Beautiful	Yes. Programs offer another mechanism for public outreach and education, and community events to clean up the City. Trash collected from these events directly reduces the amount that reaches surface waters.
1,2	29. Fats, Oils, and Greases Program	Yes. The evolution of this program educates citizens and businesses about their impacts on the City's sewer system when it comes to FOG. A reduction of sewer pipes clogged by FOG prevents sewer backups and ultimate discharges to the City's MS4.

3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the maximum extent practicable (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:

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants?
1,2	1	Stormwater Information Website	886	Page Views	No. Creates awareness and educated the public about measures to reduce pollutants in stormwater.
1	2	Public Reference	463	Door hangers / educational fliers	No. Offers another way to educate the public, leading to a reduction in contaminants.
1	3	Stormwater Educational Videos	365	Video airings	No. Educational videos reach a broad spectrum of citizens. Videos do create awareness and will lead to a reduction of pollutants.

1,2	4	Storm Drain Marking	3	Drain Markings	Yes. Drain markings create a visual opportunity to deter individuals from discharging pollutants in storm drains and inlets.
1	5	Youth Education Programs	3,040	Attendees	No. Youth programs help with creating a trend with children to reduce waste and minimize their impact on the environment, while creating awareness among school-aged children.
1	6	City Employee Stormwater Education	992	Attendees	Yes. City employees can quickly identify potential stormwater violations and pass the information along to the City's Stormwater Inspector.
1	7	Stormwater Education for Elected Officials / Public	22	Attendees	No. Although education for public officials assists in informing the public, this program does not directly reduce pollutants.
1	8	Stormwater Education for Developer / Builder / Engineer / Realtor	94	Attendees	Yes. This program offers programs catered for the development community, decreasing the likelihood of future violations. This programs also assists in developing a good working relationship with the regulated community.

1,2,3,4,5	9	City Inspector Training	5	Certified Stormwater Inspectors	Yes. The program ensures that inspectors quickly identify stormwater violations and allows the ability to ensure compliance is reached before discharges occur.
1,2	10	Public Reporting	48	Calls/Emails	Yes. The public can report Stormwater concerns and violations, which allows the City to respond quickly and prevent / mitigate discharges into the MS4.
1,2	11	Adopt-A-Spot	5	Events	Yes. Volunteers pick up trash and other debris in parks around the City. This directly reduces amount of trash and other debris from entering surface waters and reducing water quality.
2	12	IDDE Program	6	IDDE Inspections	Yes. Staff is trained to identify potential IDDE and conduct inspections, potentially identifying and mitigating a source of stormwater pollution.
2	13	MS4 Mapping	111	Map Additions / Revisions	No. Mapping does not directly reduce discharge of pollutants, it does assist in finding areas for dry weather screening and inspect outfalls for potential illicit discharges.

2	14	Bulk Trash Curbside	5,573.18	Tons of Bulk Trash Collected	Yes. This programs contributes to a direct reduction in pollutants by offering citizens an opportunity to have bulk trash picked up from their homes, rather than hauling to the landfill or dumping it on the side of the road.
2	15	Sanitary Sewer Line Maintenance and Inspection	99,598	Feet of Inspections	Yes. This BMP allows the City to identify potential issues before becoming possible discharge. Repairs are made and maintenance is performed, resulting in direct reduction of pollutants reaching surface waters.
2,3	16	Construction Site Inspection and Enforcement	1,204	Inspections	Yes. City inspectors regularly inspect private and public sector construction projects. They can find potential issues before rain events, thus directly reducing pollutants.
3	17	Site Plan Review	90	Reviewed Site Plans	Yes. Site plan reviews offer staff the opportunity to learn about new construction sites. These reviews also serve as the first line of education for stormwater regulations as they are included in the City's standard comments.

4	18	Post-construction Stormwater Controls	16	Inspections	Yes. Inspections of structural controls allows us to repair/maintenance controls to ensure their effectiveness. Structural controls that operate correctly directly reduce pollutants.
4	19	Engineering Design Review	32	Reviewed Drainage Studies	No. Drainage study reviews do not directly reduce pollutants. Drainage infrastructure installed will prevent pollutants and review is necessary to ensure design is adequate.
5	20	Chemical Applications and Material Management	13	Licensed Applicators	Yes. Proper training and licenses are essential to understand the importance of appropriate usage rates of chemicals and response to incidental spills. When applications are correctly applied, it reduces the likelihood of pesticides and herbicides from entering surface water.
2,4,5	21	Storm Sewer System / Structural Control Maintenance and Inspection	56.17	Tons of Debris	Yes. Maintenance of the City's MS4 system reduces the likelihood of pollutants reaching surface waters. This program removes debris and repairs voids in City-owned stormwater controls resulting in a direct reduction in pollutants.

5	22	Street Sweeping/Spoil Disposal	5,031.4	Miles Swept	Yes. The street sweeping program directly reduces pollutants by picking up yard waste and other small debris from the curb and gutter, the City's most prominent conveyance system.
2	23	Public Spill Response	3	Spill Response	Yes. City response to spills helps to mitigate the spill and reduces pollutants by preventing spills from spreading after they have occurred.
5	24	Municipal Facility Pollution Prevention Program	8	Inspections	Yes. This program contributes to a direct reduction in pollutants by establishing pollution prevention and good housekeeping in City-owned facilities that can negatively impact stormwater.
5	25	Municipal Industrial Inspection Program	8	Inspections	Yes. Inspection of City owned industrial facilities allows the City to be accountable for pollution prevention and an annual compliance inspections offers a second look at compliance and potential stormwater issues.
2,5	26	River Cleanups	4.05	Tons of Debris	Yes. River cleanups directly reduce pollutants by removing the source from the water.

1,2,5	27	Pet Waste Reduction Program	75	Materials Distributed	Yes. This program not only offers educational components, but also offers waste receptacles in parks for pet waste. Removal of pet waste will cause a direct reduction in pollutants and this BMP also serves as a focused BMP for bacteria impairment.
1,2,5	28	Keep San Angelo Beautiful	85	Events	Yes. The cleanup events held by KSAB remove trash and hazardous waste from the City.
1,2	29	Fats, Oils, Greases	22	Inspections	Yes. This program ensures that grease and grit traps are maintained and prevents the City's sewer from being clogged with grease blocks, backing up the system, and creating unnecessary overflows.

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals:

Measurable goals for Permit Year 3 for each of the five minimum control measures, as well as progress made towards achieving those goals, are listed below. Some of the measurable goals highlight several MCMs; additional MCMs are denoted with asterisks.

MCM 1 – Public Education and Outreach

Measurable Goal	Progress toward goal or how goal was achieved.	Additional MCMs
Update/Revise Website	Met Goal – Updates were made to the website that included staffing updates and information updates.	

Distribute materials to at least three public locations annually	Exceeded Goal – Materials were distributed in over four public places covering stormwater, pollution prevention, and pet waste reduction.	
Review materials annually	Met Goal – Materials reviewed to ensure applicability and relevance. In the review, it was determined that Pet Waste Reduction and FOG materials were needed. Educational materials were purchased for use in public outreach events.	
Air videos on public access channel at least once per week	Exceeded Goal – Stormwater-related videos aired at least once per day on the public access channel.	
Air stormwater-related videos at least three times a year on social media outlets	Exceeded Goal – There were 6 Stormwater-related videos posted on the City's social media page and/or other social media pages.	
Develop artistic program and offer an opportunity for public involvement	Exceeded Goal – The Storm Drain Art Contest was implemented with 40 submissions with public involvement through social media. Of these submissions, 10 drawings were chosen.	
At least two drains marked per permit years 2, 3, 4, 5	Goal not met – The City marked three storm drains during permit year 3, but moving forward, the City hopes to mark six more storm drains during permit years 4 and 5.	*MCM 2
Minimum of one educational program annually for school-aged children	Exceeded Goal – Over 4 events were held for school-aged children.	
One public presentation annually	Exceeded Goal – Staff conducted two presentations in person. City Council members were provided with an annual stormwater summary report in place of a council presentation.	
At least one developer/builder/ engineer training annually	Met Goal – Staff conducted one presentation in person during a Home Builders Association (HBA) luncheon.	*MCM 2,3,4

Reach at least 50 members of the development community	Exceed Goal – During the HBA luncheon, there were various members of the development community, including, but not limited to, builders, engineers, developers, Council members and City staff.	*MCM 2,3,4
Goal of 80% CSI for Engineering Inspectors	Exceeded Goal – 100% of engineering inspectors have their CSI.	*MCM 2,3,4,5
One training for inspection staff annually	Met Goal – Staff conducted one training specifically for the inspection staff.	*MCM 2,3,4,5
Stormwater reporting number/email will be advertised on the City's Facebook page twice a year.	Goal not met – The Stormwater Reporting number/email was not shared on the City's Facebook page. Most posts were limited to information about COVID.	*MCM 2
Have at least five volunteer cleanup events annually	Exceeded Goal – There were twelve cleanups across the City and five adopt-a-spot cleanups documented.	*MCM 2

MCM 2 – Illicit Discharge Detection and Elimination (IDDE)

Measurable Goal	Progress toward goal or how goal was achieved.	Additional MCMs
Document 100% IDDE program and response	Met Goal – Staff documented every reported IDDE according to the procedures established in the procedural manual.	
Document all changes to MS4 outfalls/City-owned stormwater structures	Met Goal – 111 revisions and additions to the City's GIS MS4 mapping system made during the permit term.	
Evaluate program effectiveness to hit a measurable goal of 2% reduction annually	Exceeded Goal – Bulk collection increased from 5,163.65 tons (2020) to 5,573.18 tons this permit year. However, illegal dumping drastically decreased from 38.45 tons (2020) to 4.83 tons during the permit year.	
Inspect at least 70,000 linear feet annually	Exceeded Goal – City crews inspected 99,598 feet of sewer lines.	*Bacteria Impairment*

Install SCADA on all lift stations within the City	Goal Met – SCADA has been installed on every lift station.	
SAFD HAZMAT to attend at least one training annually for spill response	Met Goal – All SAFD firefighters attended at least one HAZMAT training course.	*MCM 5

MCM 3 – Construction Site Inspection and Enforcement

Measurable Goal	Progress toward goal or how goal was achieved.	Additional MCMs
Inspect at least 70% of all private-sector construction activities annually	Exceeded Goal - 116 active construction sites inspected an average of 10 times per year.	*MCM 2
Complete document review at least twice a year	Goal not met – Completed document review once in the permit year (65 document reviewed).	*MCM 2
Review at least 80% of site plans annually	Exceeded Goal – 100% of site plans reviewed by engineering staff.	

MCM 4 – Post-Construction Stormwater Management

Measurable Goal	Progress toward goal or how goal was achieved.	Additional MCMs
Conduct 4 inspections per year on City-owned structural controls	Exceeded Goal – 16 inspections conducted on City-owned controls during the permit year.	*DDO Impairment
Implement water quality aspects into the City's Master Drainage Plan	Met Goal – the City's Master Drainage Plan is in the final draft phase which includes water quality aspects, excepting completed final document by the end of April	*DDO Impairment

MCM 5 – Municipal Pollution Prevention and Good Housekeeping

Measurable Goal	Progress toward goal or how goal was achieved.	Additional MCMs
Conduct/coordinate training for licensed and non-licensed applicators at least one time/year	Exceeded Goal – Licensed and non-licensed applicators attended over thirteen training events.	
Conduct maintenance on at least 10% of City-owned drains	Exceeded Goal – Open drains mowed, culverts cleaned, and 56.17 tons of debris cleaned from City-owned drains annually. Out of 48 network structures, all drains were maintained as necessary.	*MCM 2 & 4
Inspect at least 20% of City- owned drains annually	Exceeded Goal – Over 50% of network structures were inspected.	*MCM 2 & 4
Sweep at least 80% of City streets annually	Exceeded Goal: All lane miles within the City's jurisdiction were swept at least once a year.	
Develop and implement pollution prevention / good housekeeping plan for parks and lake operations	Goal not met – Pollution prevention plan checklist developed for Parks and Lake Operations.	
Conduct one document review and one site inspection per Industrial facility	Met Goal – One document review and site inspection was completed for each City Industrial facility.	
Conduct at least two river cleanups annually	Exceeded Goal – Five river cleanups completed by Stormwater Operations and six river cleanups completed by Keep San Angelo Beautiful (KSAB) volunteers.	*MCM 2 *DDO Impairment*

Develop collaborative outreach / education programs with local pet interest groups (rescues, animal shelters, etc.)	Met Goal – Pet waste Reduction Program flyer created and pet waste holders and bags were purchased and provided to the City's Animal Shelter and other local adoption events.	*MCM 1
Conduct at least one Keep San Angelo Beautiful Event annually	Exceeded Goal – 85 KSAB events held during the year with 6 directly stormwater-related.	*MCM 1 & 2
Inspect 100% of new grease trap applications, conduct at least one outreach event, or distribute educational material to local restaurants	Met Goal – City inspected 100% of new grease trap applications, during next permit year will be distributing educational material to local restaurants.	*MCM 1 & 2

MCM 6 – Industrial Stormwater Sources (Only applicable for Level 4 Operators)

Not Applicable (The City is a Level 3 Operator)

MCM 7 – Authorization for Construction Activities where the Small MS4 is the Site Operator (The City does not participate in this optional MCM)

Not Applicable

C. Stormwater Data Summary

- **IDDE, Drain Cleaning/Structural Control Maintenance, Structural Control Inspections, Street Sweeping**

The City's IDDE program includes dry weather monitoring, public reporting, and response/enforcement procedures. During the permit year, the City responded to six IDDE violations. The program allows the City to mitigate potentially hazardous issues and offer compliance resolution to those who created the discharge. This program has shown to be effective in the prevention of future releases.

Storm sewer system maintenance is critical to the effectiveness of the City's SWMP. The City's drain cleaning/structural control maintenance occurs when a project is planned in a specific district. Crews will document the area, visually inspect drains, culverts, etc., and perform maintenance on drains. Below you will find a monthly breakdown of the drain maintenance program:

Drain Cleaning/Structural Control Maintenance	
Month	**Debris Removal in Tons**
January	2.15
February	0
March	1.46
April	0
May	0
June	2.06
July	0
August	16.39
September	0
October	21.14
November	9.85
December	3.12
2021 Yearly Total	**56.17**
2020 Total	**39.95**

Storm sewer system inspections are critical to the effectiveness of the City's SWMP. The City's visual inspection program occurs when a project is planned in a specific district. Crews will document the area, visually inspect drains, culverts, etc., and perform inspections on drains. Below you will find a monthly breakdown of the structural control inspections program:

Structural Control Inspections	
Month	**Inspections**
January	1
February	0
March	4
April	1
May	1
June	2
July	2
August	2
September	0
October	2
November	1
December	0
January	0
2021 Yearly Total	**16**
2020 Total	**56**

The City's street sweeping program offers an impressive impact to ensuring stormwater quality is improved every year. The program provides the opportunity for every City-owned street to be swept at least once a year. The program also has a high-priority sweeping schedule that cleans areas closest to the river, in the downtown area, weekly. Below you will find a monthly breakdown of miles swept and spoils collected:

Street Sweeping Monthly Totals		
Month	**Miles Swept**	**Spoils in Tons**
January	207.8	133.21
February	334.3	11.58
March	467.4	410.32
April	320.8	398.55
May	391.0	0.00
June	427.2	296.26
July	498.5	303.54
August	620.8	326.93
September	525.3	197.24
October	433.1	398.58
November	408.1	0.00
December	397.1	514.34
2021 Yearly Total	**5,031.4 Miles**	**2,990.55 Tons**
2020Total	**5,645.8 Miles**	**2,789.49 Tons**

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.

   The 2016 Texas Integrated Report - Texas 303(d) List, approved by EPA in August of 2019, shows segment 1421(Concho River) has only one impairment for depressed dissolved oxygen. Although the impairment for bacteria is removed, the City still implements focused BMPs for the impairment to maintain water quality. There are no new segment impairments listed in the approved list.

   Depressed dissolved oxygen occurs when the oxygen dissolved in water drops below optimal levels. Aeration and photosynthesis are the primary sources of dissolved oxygen in streams. The Concho River is essentially a series of

damned up ponds and typically does not flow unless the City experiences a heavy rain event. The City has implemented several best management practices to alleviate some of the issues associated with stormwater quality but understands the nature of the river impacts oxygen levels.

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.

   Best management practices to address discharges for depressed dissolved oxygen and bacteria are described in detail below:

   Depressed Dissolved Oxygen – As noted above, depressed dissolved oxygen is a problem the City will always face unless the river becomes an actual flowing river. Still, the City's stormwater management plan does include best management practices to reduce urban impacts. Methods include the City's street sweeping program, which removes organic matter and sediment from curbs and gutters. The City also participates in the chemicals and materials management program, focusing on the importance of proper chemical application, such as fertilizers in parks and drainage ways. The construction stormwater inspection program prevents sediment from entering the City's MS4. Other elements include park and river cleanup programs, illicit discharge detection and elimination programs, structural controls maintenance programs, and green infrastructure programs. Finally, the City is beginning to implement its Fats, Oils, and Greases (FOG) program to prevent sewer blockage and sewer overflow.

   Bacteria – Although bacteria is removed from the 2016 Integrated Report, the City still applies best management practices to maintain improvements. The sanitary sewer inspection and line maintenance program offers an approach to prevent and mitigate issues before reaching surface waters. Small leaks or potentially significant issues identified by the inspection program can be repaired or maintained to avoid discharges. The SCADA system improvements to lift stations offer 24-hour monitoring in real-time for sewer overflows and other malfunctions that could create a pollutant release. On a smaller scale, the Pet Waste Reduction program provides information, materials, and waste receptacles in parks to address pet waste. This program will grow to reach a larger target audience in years to come, which will create more awareness of pet waste impacts on water quality.

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

   The City of San Angelo does not discharge to an impaired water body with an approved TMDL. Therefore, targeted controls, measurable goals, and benchmarking requirements are not applicable.

4. Focused Best Management Practices for Bacteria Impairment:

   As stated above, this segment does not have an approved TMDL, and no benchmark assessments are required. Focused best management practices for the impairment of bacteria include the following previously discussed BMPs: 1) Pet Waste Reduction Program, 2) Sanitary Sewer Line Maintenance and Inspection, 3) Sanitary Sewer Overflow Initiative and 4) SCADA Installation on Lift Stations.

E. Stormwater Activities

Describe activities planned for the next reporting year:

BMP	MCM(s)	Stormwater Activity	Description/Comments
1	1	Stormwater Webpage	Update and Revise Stormwater Information Webpage.
2	1	Educational Material	Review educational material and their relevance and distribute educational material to at least three public locations annually.
3	1	Stormwater Videos	Air stormwater educational videos on the City's Public Access channel at least one time a week. Air stormwater videos at least three times a year on social media outlets.
4	1, 2	Storm Drain Marking	Mark at least two drains annually.
5	1	Youth Education	Provide one educational program per year for school-aged children in San Angelo.
6	1	Staff Presentation	Conduct at least one stormwater presentation for City staff annually.
7	1	Education for Elected Officials/Public	Present to City Council once a year for MS4 program overview and present at one public meeting annually.

8	1, 2, 3, 4	Education for Development Community	Present one stormwater educational program to the developer/builder/engineer/realtor community.
9	1, 2, 3, 4, 5	City Engineering Inspectors Training	Provide one stormwater training per year for City Engineering Inspectors.
10	1, 2	Stormwater Hotline	Advertise stormwater hotline number and reporting email on social media at least twice a year.
11	1, 2	Cleanup Events	Conduct five volunteer cleanup events per year.
12	2	Illicit Discharge Detection and Elimination Program	Document 100% IDDE responses, enforcement actions, and follow-up investigations.
13	2	MS4 Mapping	Make revisions to the City's MS4 Mapping.
14	2	Illegal Dumping Reduction	Evaluate program effectiveness to reach the measurable goal of a 2% reduction in illegal dumping.
15	2	Sanitary Sewer Line Maintenance and Inspection	Inspect at least 70,000 linear feet of sanitary sewer line annually and insure the installation of SCADA on all lift stations.
16	2, 3	Construction Site Inspections	Inspect at least 70% private and public sector construction activities and complete document reviews at least twice a year.
17	3	Site Plan Review	Review at least 80% of site plans annually.
18	4	City-owned Structural Inspections	Conduct four inspections annually on City-owned structural controls.
19	4	Engineering Design Review	Review implementing water quality aspects for required detention on private sector.

20	5	Training for Pesticide Applicators	Conduct/Coordinate training for licensed and non-licensed pesticide applicators at least once a year.
21	2, 4, 5	Maintenance and Inspection – City-owned Drains	Conduct maintenance on at least 10% of City-owned drains and inspect at least 20% of City- owned drains annually.
22	5	Street Sweeping	Sweep at least 80% of City-owned streets annually.
23	2	Spill Training	SAFD to attend at least one HAZMAT Training annually.
24	5	Municipal Facility Pollution Prevention/Good Housekeeping	Develop and implement pollution prevention/good housekeeping for Parks and Lake Operations and inspect all municipal facilities one time per year.
25	5	Municipal Industrial Inspection Program	Conduct one document review and one site inspection per permitted facility.
26	2, 5	River Cleanups	Conduct at least two river cleanups annually.
27	1, 5	Pet Waste Reduction Program	Develop collaborative outreach/ education programs with local pet interest groups (rescues, animal shelters, etc.) and conduct / participate in at least one educational event annually.
28	1, 2, 5	KSAB Event	Conduct at least one KSAB outreach event annually.
29	1, 2	Fats, Oils, and Greases Program	Conduct at least one outreach event, or distribute educational materials to local restaurants.

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

G. Additional BMPs for TMDLs and I-Plans

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

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

H. Additional Information

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

   ___ Yes __X__ No

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

___ Yes __X__ No

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):

   _____116_____

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

___ Yes _X_ No

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): Daniel Valenzuela Title: City Manager

Signature: Daniel Valenzuela Date: 04-20-2022

Name of MS4 City of San Angelo