

City of San Angelo

Stormwater Management Plan

Permit Term:

January 24, 2019 – January 24, 2024



Prepared By:

The Department of Public Works

Engineering Services Division

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Section 1 Introduction

On December 8, 1999, the EPA published Phase II of the NPDES program requiring that small MS4s with populations less than 100,000 residents served within the U.S. Census Bureau's defined Urbanized Area (UA) and construction activities disturbing between one and five acres of land obtain permit coverage. In response to the NPDES permit requirements, the EPA delegated regulatory authority in Texas to the State of Texas, and with the authority of the Texas Water Code and the Clean Water Act, the Texas Commission on Environmental Quality (TCEQ) assumed the authority to issue MS4 stormwater permits. As a regulatory entity, the TCEQ developed the Texas Pollutant Discharge Elimination System (TPDES) program, a program patterned after the federal NPDES stormwater program, which now has federal regulatory authority over discharges to Waters of the United States.

On August 13, 2007, the Texas Commission on Environmental Quality (TCEQ) issued Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR040000 for stormwater discharges from Phase II cities in Texas. The City of San Angelo (the City) is one of several hundred entities required to protect stormwater quality under the TPDES Phase II (small) MS4 General Permit.

The City's Stormwater Management Program (SWMP) has been implemented since its first year of coverage in 2007. On January 24, 2019, the TCEQ reissued the TPDES General Permit TXR040000. This permit supersedes and replaces the General Permit, TXR040000, issued December 13, 2013. By submission of this updated and revised SWMP and the Notice of Intent (NOI) the City is applying for continued coverage under the reissued TPDES General Permit TXR040000.

Under the new TPDES permit, the City is considered a Level 3 Operator based on the current 2010 U.S. Census population. The current census states that the population of San Angelo is 93,200.

1.1 The City of San Angelo

The City of San Angelo, Texas is located in central Tom Green County in central West Texas. The city limits encompass 56.87 square miles, with a population density of 1,639 people per square mile, according to the current U.S. Census. Projected growth for a ten-year period is 7.4%.

The City of San Angelo is located along the margins of the Rolling Plains and Hill Country regions. This provides a unique landscape that encompasses both regional plants and vegetation. Climate for the area is characterized as semi-arid with hot summers and mild winters. The City experiences its warmest temperatures during the month of July where the average temperature is 95.1° F, with the average low temperatures occurring during the month of January where average low temperature is 33.3°F. Average rainfall for the City is 21 inches per year, with the wettest month being in May.

1.2 Water Quality in San Angelo

Stormwater runoff affects the quality of water in urban lakes, rivers, creeks, ponds, and storm drains. The lakes, streams, and rivers in San Angelo have seen the impacts of urban stormwater runoff. The City and its citizens have made strides in improving the water quality via implementing the various management practices and programs listed in past SWMPs.

The major water bodies receiving urban stormwater runoff from San Angelo include the Concho River (Seg ID 1421) and Lake Nasworthy (Seg ID 1422). Tributaries include North Concho River, South Concho River, and the Red Arroyo. The designated uses of these receiving waters include aquatic life, fish consumption, general, public water supply, and recreation.

The Concho River has been included on the *2014 Texas Integrated Report - Texas 303(d) List* of impaired water bodies with impairments for bacteria and depressed dissolved oxygen. The impairments are listed as *Category 5c*, which represents that additional data or information will be collected and/or evaluated for one or more parameters before a management strategy is selected. A total maximum daily load (TMDL) is not established for either impairments; therefore, the City will address measures to reduce the impacts of both pollutants of concern via best management practices. Lake Nasworthy is not listed on the *2014 Texas Integrated Report - Texas 303(d) List* for impairments.

Currently, there have been no indications that the TCEQ plans to conduct a TMDL assessment for any of the segments of San Angelo's receiving water bodies. Although no TMDLs are established, the City's SWMP will address pollutants of concern and management practices to prevent further impacts.

Section 2 Regulatory Requirements

2.1 Authorization

On January 24, 2019, TCEQ reissued the TPDES Phase II MS4 General Permit TXR040000. Per regulation, the City must revise and update its SWMP, as well as renew the permit via submittal of a Notice of Intent and Core Data Form. Renewals must be submitted by July 23, 2019.

This 2019 SWMP sets measurable goals and provides a schedule for the implementation of best management practices (BMP) over the term of the effective general permit. Various BMPs have been selected or revised to meet the five minimum control measures (MCM) set for the by the permit. A sixth MCM is required for level four operators, but is not included as it is not currently applicable to the City's plan. An optional seventh MCM, to address municipal construction activities through their SWMP is available for use by the City, but has not been selected to be included in this SWMP.

In accordance with Part II, Section D.4 (b) of the General Permit, MS4s that discharge directly to water quality impaired water bodies without an approved TMDL are required to determine if the MS4 is a source of the pollutant of concern (POC) and implement focused BMPs to reduce the discharge of the POC. The Concho River is listed on the 2014 Impaired Surface Water Bodies 303(d) list category 5c for bacteria and depressed dissolved oxygen. Appropriate BMPs have been developed for both POCs and are included in this SWMP.

2.2 Minimum Control Measures

Implementation of the City's revised SWMP is expected to further minimize stormwater pollutant discharges into the City's MS4 while providing water quality protection for receiving water bodies. Per state and federal requirements we have addressed the required five minimum control measures for level three operators. Below you will find an overview of the specific MCMs and an overview of what the City's revised SWMP will include:

- 1.) Public Education and Outreach – The City will continue to present stormwater educational programs, distribute informational flyers, air stormwater videos, update existing website, and create more awareness regarding the public's involvement and participation in the City's stormwater program. Revisions will be made as necessary to ensure effectiveness of the BMPs.

At a minimum the City must implement the following:

- a.) Throughout the permit term, all permittees shall make the educational materials available to convey the program's message to the target audience(s) at least annually.
- b.) If the permittee has a public website, the permittee shall post its SWMP and the annual reports required under Part IV.B.2. or a summary of the annual report on the permittee's website. The

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- SWMP must be posted no later than 30 days after the approval date, and the annual report no later than 30 days after the due date.
- c.) All permittees shall annually review and update the SWMP and MCM implementation procedures required by Part III.A.2., as necessary. Any changes must be reflected in the annual report. Such written procedures must be maintained, either on site or in the SWMP and made available for inspection by the TCEQ.
 - d.) Consider using public input (for example, the opportunity for public comment, or public meetings) in the implementation of the program;
 - e.) Create opportunities for citizens to participate in the implementation of control measures, such as stream clean-ups, storm drain stenciling, volunteer monitoring, volunteer “Adopt-A-Highway” programs, and educational activities;
 - f.) Ensure the public can easily find information about the SWMP.
- 2.) Illicit Discharge Detection and Elimination (IDDE) – The City’s IDDE program was successfully developed during the last permit term. We will continue to implement the program elements such as MS4 mapping, IDDE training for staff, source tracing, public reporting, and remediation. Since the City does not permit On-site Sewage Facilities (OSSF), we will rely on Tom Green County as the enforcing agent for leaking OSSFs. Revisions will be made as necessary throughout the permit term to ensure the effectiveness of the program. The City’s IDDE program will include the following elements:
- a.) An up-to-date MS4 map
 - b.) Methods for informing and training MS4 field staff
 - c.) Procedures for tracing the source of an illicit discharge
 - d.) Procedures for removing the source of the illicit discharge
 - e.) Procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4
 - f.) Follow-up investigation procedures for post response
- 3.) Construction Site Stormwater Runoff Control – The City’s Construction Site Inspection and Enforcement program is fully underway and continues to improve year after year. Program elements will be assessed on a yearly basis to ensure effectiveness. Construction plan reviews will continue for all construction projects within the City’s jurisdiction. Certain staff will continue to attend relevant training as well as hold their Construction Stormwater Inspector certification. The City’s construction site stormwater runoff control program will include the following:
- a.) Annually review and update as necessary, the SWMP and MCM implementation procedures
 - b.) Require that construction site operators implement appropriate erosion and sediment control BMPs.
 - c.) Ensure that prohibited discharges are not discharged from construction sites
 - d.) Site plan review procedures
 - e.) Construction site inspection and enforcement
 - f.) Receipt and consideration from the public
 - g.) MS4 field staff training
 - h.) Construction Site Inventory
- 4.) Post Construction Stormwater Management in New Development and Redevelopment – Continue to enforce post-construction ordinance to ensure maintenance is completed on permanent stormwater structures. Review program annually. The program will include the following:
- a.) Document and maintain records of enforcement actions
 - b.) Ensure long-term maintenance of post-construction stormwater control measures

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- 5.) Pollution Prevention and Good Housekeeping for Municipal Operations – Continue to implement the pollution prevention program for operations. Revise as necessary for program effectiveness. The program will include the following:
 - a.) Maintain an inventory of facilities and stormwater controls that are owned and operated by the City
 - b.) Maintain specific inventory of Stormwater controls at de-icing storage areas, fueling and vehicle maintenance, and equipment and vehicle washing
 - c.) Training and Education
 - d.) Disposal of Waste Material
 - e.) Contractor Requirements and Oversight
 - f.) Municipal Operation and Maintenance Activities
 - g.) Structural Control Maintenance
 - h.) Storm Sewer System Operation and Maintenance
 - i.) Operation and Maintenance Program to Reduce Discharges of Pollutants from Roads
 - j.) Mapping of Facilities
 - k.) Facility Assessment
 - l.) Development of Facility Specific SOPs
 - m.) Stormwater Controls for High Priority Facilities
 - n.) Inspections
 - 6.) Industrial Stormwater Sources – The City is a Level 3 MS4, MCM 6 is not applicable
 - 7.) Authorization for Construction Activities where the Small MS4 is the Site Operator – The City has elected not to include this MCM in the SWMP.

The SWMP will identify BMPs to be implemented during the five-year permit term. A schedule of the implementation plan with specific dates, responsible departments, and measurable goals by which the City of San Angelo will self-report annually via the Annual Report to TCEQ and applicable MS4s in the area. Existing programs will be evaluated, at least annually, for effectiveness throughout the permit term and revised as necessary.

In order to achieve permit requirements, the City has evaluated the previous approved SWMP for the 2013 permit term and revised existing BMPs, as necessary, to ensure the City meets the 5 MCMs for Level 3 operators. The City has also selected new BMPs after utilizing assistance documents from EPA and TCEQ to continue to make the SWMP robust and effective. Each BMP selected utilizes a series of measurable goals and evaluation techniques to ensure appropriate program implementation throughout the five-year term.

2.3 Legal Authority

As addressed in Part III.A.3 in the TXR040000 General permit, traditional small MS4s must adopt new ordinances or other regulatory mechanisms to provide the permittee with adequate legal authority to control pollutant discharges into and from its MS4. The City has existing ordinances that address the following:

- 1.) Authority to prohibit illicit discharges and connections
- 2.) Authority to respond to and contain other releases such as spills or unauthorized disposal of other releases other than stormwater into the MS4
- 3.) Authority to require compliance with conditions in the Ordinance
- 4.) Authority to require installation, implementation, and maintenance control measures
- 5.) Authority to receive and collect information such as stormwater plans and other information deemed necessary to assess compliance with this permit from operators of construction sites, industrial sites, and commercial facilities
- 6.) Authority to enter and inspect private property in response to stormwater violations

- 7.) Authority to respond to non-compliance with BMPs required by the MS4
- 8.) Authority to assess penalties for stormwater violations
- 9.) Ability to enter into interlocal agreements, as necessary

The City will review and revise ordinances, as necessary, to ensure enforceability is available to control pollutant discharges into the MS4. Any revisions to ordinances will be reported in the Annual Report.

2.4 Municipal Facilities Subject to TPDES Industrial Permits

The City of San Angelo maintains records and compliance with the airport and wastewater treatment plant industrial authorizations. Although the City owns the landfill, the contractor, Republic Services, is the operator and responsible for compliance and recordkeeping for their industrial authorization.

Facility	Authorization #	RN #	SIC Code
City of San Angelo Municipal Airport	TXR05CT96	RN1000534916	4512
San Angelo Wastewater Treatment Plant	TXR05BB21	RN104008263	4952
San Angelo Landfill	TXR05CZ31	RN102289576	4953

2.5 Allowable Non-Stormwater Discharges to the MS4

The following non-stormwater sources may be discharged from the small MS4 and are not required to be addressed in the small MS4's Illicit Discharge and Detection or other minimum control measures, unless they are determined by the permittee or the TCEQ to be significant contributors of pollutants to the small MS4, or they are otherwise prohibited by the MS4 operator:

1. Water line flushing (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
2. Runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;
3. Discharges from potable water sources that do not violate Texas Surface Water Quality Standards;
4. Diverted stream flows;
5. Rising ground waters and springs;
6. Uncontaminated ground water infiltration;
7. Uncontaminated pumped ground water;
8. Foundation and footing drains;
9. Air conditioning condensation;
10. Water from crawl space pumps;
11. Individual residential vehicle washing;
12. Flows from wetlands and riparian habitats;

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13. Dechlorinated swimming pool discharges that do not violate Texas Surface Water Quality Standards;
 14. Street wash water excluding street sweeper waste water;
 15. Discharges or flows from emergency fire fighting activities (fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, and similar activities);
 16. Other allowable non-stormwater discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);
 17. Non-stormwater discharges that are specifically listed in the TPDES Multi Sector General Permit (MSGP) TXR050000 or the TPDES Construction General Permit (CGP) TXR150000;
 18. Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
 19. Other similar occasional incidental non-stormwater discharges such as spray park water, unless the TCEQ develops permits or regulations addressing these discharges.

2.6 Discharges Directly to Water Quality Impaired Water Bodies without an Approved TMDL

Per federal and state requirements, the City must determine whether the permitted discharge is directly discharged into a water quality impaired water body without a TMDL. The City previously completed several studies to determine if focused BMPs are necessary to address water quality issues. Based on the research completed, we have determined that one of the POCs, depressed dissolved oxygen, is directly affected, not by the MS4, but by the nature of the river. The City will continue to conduct sample analysis after certain qualifying events and implement programs to reduce the potential for increasing the POC.

Impairment for Bacteria – Per TCEQ requirements the City must identify potential significant sources and develop and implement focused BMPs or alternative BMPs as appropriate. The Annual Report must include information on compliance, including sampling results. Previously, the City identified the main source of bacteria from avian and other wildlife sources. The City will implement appropriate BMPs to reduce bacteria sources, such as pet waste, as well as continue implementing wastewater system rehabilitation throughout the city. All activities will be recorded and reported on the Annual Report.

It has been determined that the likelihood of EPA establishing a TMDL for the impairments is unlikely based on the nature of the river and the determination that the City is not actively discharging the POC of bacteria. The Draft 2016 Texas Integrated Report has de-listed the impairment for bacteria. The City will monitor the new reports as they are approved by EPA and modify programs if necessary.

2.7 Endangered Species Act

Federal requirements related to endangered species apply to all TPDES permitted discharges. The City of San Angelo is aware that there are endangered species identified in the Colorado River Basin. If projects are expected to potentially affect this basin, the City will conduct proper studies per environmental impact assessments. The results of the assessment findings will provide a path to implementation of appropriate site-specific controls necessary to ensure the protection of the endangered or threatened species. Any future/implemented focused BMPs necessary will be included in this SWMP and Below is a list of endangered species found in the Colorado River Basin:

Species	Latin Name
Texas Cave Spider	Neoleptoneta myopica
Texas Snowbells	Styrax texana
Kretschmarr Cave Mold Beetle	Texamaurops reddelli
Tooth Cave Ground Beetle	Rhadine persephone
Bee Creek Cave Harvestman	Texella reddelli

Bone Cave Harvestman	Texella reyesi
Tooth Cave Psuedoscorpion	Tartarocreagris texana

Section 3 Best Management Practices Selection Process

An evaluation of existing BMPs was conducted to ensure BMPs continue to be relevant and effective. BMPs were compared to the new permit requirements to ensure they still met MCMs requirements and were revised or removed to ensure compliance with the new permit. Next, City staff worked to identify additional BMPs that could further improve the existing stormwater management program. Meetings were held to ensure that added BMPs were feasible between other City departments.

3.1 Additional BMPs

- 1.) Fats, Oils, and Greases (FOG) Restaurant Initiative
- 2.) Bulk Trash Pickup Services
- 3.) Keep San Angelo Beautiful
- 4.) Municipal Facility Pollution Prevention Plans
- 5.) Post-Rain River Cleanups
- 6.) Pet Waste Reduction Program
- 7.) Municipal Green Infrastructure Program
- 8.) Water Quality Structural Control maintenance and Inspection

3.2 Eliminated BMPs

- 1.) Utility Bill Insert – BMP was removed due to cost compared to effectiveness. The City will still implement educational materials, just not via utility bill inserts.
- 2.) Receipt and Consideration From Public – BMP was removed and is incorporated in other BMPs
- 3.) Post-construction Stormwater Ordinance – BMP will be replaced to reflect post-construction stormwater inspections, as the ordinance was passed during the previous permit term.

3.3 Measurable Goals and Implementation Schedule

Per permit requirements, the City has developed a measurable goal schedule to address specific due dates during the permit term. Measurable goals will assist in evaluating the success of the City’s SWMP toward reaching the goal of protecting water quality and reducing pollutants to the maximum extent practicable.

Each measurable goal will be evaluated on an annual basis to compare measurable goals, feasibility, and effectiveness. During this review BMPs may be modified or removed. For applicable circumstances, a notice of change (NOC) will be submitted to TCEQ. Per TCEQ and EPA requirements, each BMP measurable goal will include the months and years in which the City will implement required actions. A detailed schedule of BMP implementation and measurable goals is included in Appendix A.

Section 4 Recordkeeping and Reporting

The City will maintain all records, a copy of the current TPDES general permit, and all other data used to complete this NOI for this permit, for a period of five years. A current up-to-date copy of the SWMP and the General Permit will be maintained at the City Hall Annex.

The City will make the SWMP available for public viewing at the City Hall Annex and online via the City's website. The SWMP will be available at the City Hall Annex during normal business hours. Available supporting documents requested by the public may be viewed within ten working days following a written request, unless record request requires an extensive amount of time and research to assemble. In such case, the Public Information Act will be followed.

4.1 Annual Report

By the reporting deadline of each permit year, the City will submit an annual report to the Executive Director of the TCEQ and provide a copy of the report to the TCEQ Region 8 office, TxDOT, Goodfellow Air Force Base, Angelo State University, and Tom Green County. The City will maintain copies of the annual reports at the City Hall Annex for public viewing. Approved annual reports will also be posted on the City's website (<https://www.cosatx.us/departments-services/stormwater-information>). The annual report will meet the requirements listed in the TPDES General Permit and are presented below:

The MS4 operator shall submit a concise annual report to the executive director within 90 days of the end of each reporting year. For the purpose of this section, the reporting year may include either the permit year, the permittee's fiscal year or the calendar year, as elected by the small MS4 and notified to the TCEQ in the application submittal. The annual report must address the previous reporting year. The first reporting year for annual reporting purposes shall begin on the permit effective date and shall last for a period of one (1) year (the end of the "permit year"). Alternatively, if the permittee elects to report based on its fiscal year, the first reporting year will last until the end of the fiscal year immediately following the issuance date of this permit. If the permittee elects to report based on the calendar year, then the first reporting year will last until December 31, 2019. Subsequent calendar years will begin at the beginning of the first reporting year (which will vary based on the previous paragraph) and last for one (1) year. The MS4 operator shall also make a copy of the annual report readily available for review by TCEQ personnel upon request. The report must include:

- a.) The status of the compliance with permit conditions, an assessment of the appropriateness of the identified BMPs, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals;
- b.) A summary of the results of information collected and analyzed, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP;
- c.) If applicable, a summary of any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4s BMPs used to address the pollutant of concern;
- d.) A summary of the stormwater activities the MS4 operator plans to undertake during the next reporting year;
- e.) Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements;
- f.) Description and schedule for implementation of additional BMP's that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans. For

waters that are listed as impaired after discharge authorization pursuant to Part II.D.4, include a list of such waters and the pollutant(s) causing the impairment, and a summary of any actions taken to comply with the requirements of Part II.D.4.b.

- g.) Notice that the MS4 operator is relying on another government entity to satisfy some of its permit obligations (if applicable);
- h.) The number of construction activities where the small MS4 is the operator and authorized under the 7th optional MCM, including the total number of acres disturbed; (if applicable)
- i.) The number of construction activities that occurred within the jurisdictional area of the small MS4 (as noticed to the permittee by the construction operator), and that were not authorized under the 7th MCM (if applicable).

The annual report must be prepared whether or not the NOI and SWMP have been approved by the TCEQ. If the City has not begun to implement the SWMP because it has not received approval, the report may include that information. The annual report will be submitted, with the appropriate TCEQ reporting forms, to the following address:

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

A copy of the report will be submitted to the TCEQ Region 8 office, as well as local MS4s.

4.2 General Reporting Requirements

Noncompliance Notification - According to 30 TAC § 305.125(9), any noncompliance which may endanger human health or safety, or the environment, must be reported by the permittee to the TCEQ. Report of such information must be provided orally or by fax to the TCEQ Regional Office immediately upon becoming aware of the noncompliance. A written report must be provided by the permittee to the appropriate TCEQ Regional Office and to the TCEQ Enforcement Division (MC-224) within five working days of becoming aware of the noncompliance. The written report must contain:

- 1.) A description of the noncompliance and its cause;
- 2.) The potential danger to human health or safety, or the environment;
- 3.) The period of noncompliance, including exact dates and times;
- 4.) If the noncompliance has not been corrected, the anticipated time it is expected to continue; and
- 5.) Steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

When the permittee becomes aware that it either submitted incorrect information or failed to submit complete and accurate information requested in an NOI, NOT, or NOC, or any other report, the permittee shall promptly submit the facts or information to the TCEQ executive director.

4.3 SWMP Updates

This plan may be updated by the City at any time. Changes to the SWMP that are made after TCEQ approval of the NOI and SWMP may be made by submittal and approval of a notice of change (NOC) unless the changes are nonsubstantial and do not change terms and conditions in the SWMP. Changes may be made as follows:

(a) Changes that do not require a NOC

- (1) Adding (but not subtracting or replacing) components, controls, or requirements to the SWMP;
- (2) Adding areas such as by annexing land, or otherwise acquire additional land that expands the boundary of the MS4, or subtracting areas, such as by de-annexing lands;
- (3) Adding impaired water bodies
- (4) Minor modifications to the SWMP that include administrative or non-substantial changes

(b) Changes that require a NOC

- (1) Replacing a less effective or infeasible BMP specifically identified in the SWMP with an alternative BMP, (for example, replacing a structural BMP with a nonstructural BMP would be considered a replacement).
- (2) Requirement for more frequent monitoring or reporting by the permittee; and
- (3) Interim compliance date change in a schedule of compliance provided the new date is not more than 120 days after the date specified in the existing permit and does not interfere with attainment of the final compliance date requirement.

(c) Changes that require a NOC and Public Notice

- (1) After receiving a NOC, the TCEQ evaluates if the requested change(s) can be approved and might request additional information from the permittee during the review process. If the request can be approved, the MS4 is required to post the notice of the TCEQ Executive Director's preliminary determination of the NOC and the revised terms of the SWMP on the MS4's website.
- (2) The public comment period begins on the first day the notice is posted on the MS4 or the TCEQ website and ends 30 days later. If the 30th calendar day falls on a date that TCEQ is not open for business, then the public comment period is extended until 5 pm on the next TCEQ business day. If there is a decision to hold a public meeting, then the public comment period will continue until the public meeting has been held. The public may submit comments regarding the proposed changes to the TCEQ Water Quality Division.
- (3) The TCEQ Executive Director will hold a public meeting (equivalent to a "public hearing" as required by 40 CFR §122.28(d)(2)(ii)) if it is determined there is significant public interest. The Executive Director will post a notice of the public meeting on the TCEQ website at <https://www.tceq.texas.gov/>. The notice of a public meeting will be posted at least 30 days before the meeting and will be held in the county where the MS4 is located or primarily located. TCEQ staff will facilitate the meeting and provide a sign in sheet for attendees to register their names and addresses. The public meeting held under this general permit is not an evidentiary proceeding. If a public meeting is held, the comment period will end at the conclusion of the public meeting.
- (4) The Executive Director, after considering public comment, shall incorporate the NOC changes into the SWMP. Once the revised terms are incorporated into the

SWMP, the Executive Director will notify the permittee and the public on the revised terms and conditions of the SWMP.

Section 5 Appendix A – Detailed BMP Descriptions

5.1 Stormwater Information Website

Public Education and Outreach/Public Participation - The City’s Stormwater Information webpage will be utilized as an educational tool for employees and the public in stormwater related content. Outreach videos, informational flyers, links to helpful resources, and other educational materials will be provided on the website. The website will also offer an avenue for public input via the Stormwater Reporting hotline and Stormwater Reporting email. The website will also include a link to the City’s approved Stormwater Management Plan as well as the City’s Annual Report. Outreach audience includes residents, visitors, commercial businesses, construction developers, and public service employees.

Measurable Goals – Revise website by December 2019. Update the website in September and March of every permit term; document changes made to the website, as well as any new information provided. Goal of reaching at least 5% of the population via documenting the number of hits the website receives annually.

Stormwater Information Website						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1	Launch new website	December 2019				
1	Update/Revise website		Sept 2020 March 2021	Sept 2021 March 2022	Sept 2022 March 2023	Sept 2023 March 2024

5.2 Public Reference

Educational materials will be provided for reference at the San Angelo Visitor’s Center, San Angelo Nature Center, City Annex Building, and the McNease Convention Center. Educational materials will provide stormwater related information, website information, and stormwater reporting information. Outreach audience includes residents, businesses, youth, and visitors.

Measurable Goal: Document the number of materials created and distributed on an annual basis. Document the number of events attended with stormwater educational materials provided. Review/revise/develop materials as necessary. Review of materials will be conducted on an annual basis.

Public Reference						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1	Distribute materials to at least three public locations annually	January 2020	January 2021	January 2022	January 2023	January 2024

1	Review of materials	February 2020	February 2021	February 2022	February 2023	January 2024
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5.3 Stormwater Educational Videos

Stormwater related videos will be aired on San Angelo’s public access channel and the City of San Angelo’s Public Information Facebook page. Videos will include information that pertains to seasonal happenings and changes in stormwater regulation as well as general stormwater information. Target audience includes residents, businesses, visitors, and public service employees.

Measurable Goal: Document the number of videos aired annually. Air videos on public access channel at least once a week every permit term. Air stormwater related videos at least three times a year per permit term on Facebook. Document the number of viewers on social media.

Stormwater Educational Videos						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (public outreach and public involvement)	Air videos on public access channel at least once per week.	Weekly	Weekly	Weekly	Weekly	Weekly
1 (public outreach and public involvement)	Air stormwater related videos at least three times a year on social media outlets	3 times/year	3 times/year	3 times/year	3 times/year	3 times/year

5.4 Storm Drain Marking

Public Education/Public Involvement – The City will utilize local artists to develop unique storm drain art to educate the public about stormwater runoff and prevention of dumping into the storm drain system. The public will play a role in determining which artist submissions are used. Intended audience will include residents, youth, visitors, businesses, and public service employees.

Measurable Goal: Document the number of artist submissions. Document public participation via voting. Goal of at least two drains marked per year during permit year 2, 3 and 4. Track and document the location of drains marked during permit year 2, 3, 4, and 5.

Storm Drain Marking						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (Public outreach/Public Involvement)	Develop artistic program and offer opportunity for public involvement with voting	March 2020	March 2021	March 2022	March 2023	March 2024

	and artist submissions					
1 (Public outreach/Public Involvement) 2 (IDDE)	At least two drains marked per permit years 2, 3, 4, 5		June 2021	June 2022	June 2023	June 2024

5.5 Youth Education Programs

Provide educational programs and materials for school-aged children Hands-on activities, educational presentations, and educational materials will be provided during events. Intended audience will be grades K-12.

Measurable Goal: A minimum of one educational program for school-aged children will be conducted by December of each permit year. Document the dates and content of the presentations. Goal of presenting to at least 50 school-aged children annually.

Youth Education Program						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (Public outreach)	Educational program	December 2019	December 2020	December 2021	December 2022	December 2023

5.6 City Employee – Stormwater Education

City employees will have the opportunity to receive stormwater educational materials and other information on stormwater pollution prevention. Employees that work with departments that have specific responsibilities regarding stormwater will receive trainings or one-on-one training. Intended audience will be City Employees.

Measurable Goal: Document information provided to departments. Document the number of employees trained. Goal of conducting at least one presentation, annually, for City staff.

City Employee Stormwater Education						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (Public outreach)	Educational program	December 2019	December 2020	December 2021	December 2022	December 2023

5.7 Stormwater Education for Elected Officials and Public

City elected officials and public will receive general stormwater information as well as educational materials. An overview of the Phase II TPDES permit requirements will be provided. Intended audience is elected officials and public.

Measurable Goal: Document the number of elected officials that receive the education and the number of public meetings held per year. Goal of presenting at one public meeting by January of every permit term.

Stormwater Education for Elected Officials/Public
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<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (Public outreach/public involvement)	Stormwater MS4 overview presentation	January 2020	January 2021	January 2022	January 2023	January 2024

5.8 Developer/Builder/Engineer/Realtor Education and Training

Provide educational materials, one-on-one training, and presentations regarding pollution prevention to the development community. Encourage training opportunities about methods to minimize the impact of construction activities on stormwater quality.

Measurable Goal: Document the number of trainings/presentations held. Document the attendance of those trainings. Goal of one training by January of each permit year. Goal of reaching at least 50 members of the development community per permit year.

Stormwater Education for Developer/Builder/Engineer/Realtor						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (Public outreach/public involvement) 2 (IDDE) 3 (Construction) 4 (Post-Construction)	Stormwater educational training over TPDES CGP, illicit discharges, and City stormwater ordinances	January 2020	January 2021	January 2022	January 2023	January 2024

5.9 City Inspector Training

Provide construction site, erosion control and pollution prevention training to City inspection personnel. New-hire inspectors will receive appropriate training to ensure all inspectors understand stormwater compliance. Each City engineering inspector will obtain their Certified Stormwater Inspector (CSI) certification from an approved training program.

Measurable Goal: Document the inspectors with their CSI and record the dates CSI is obtained. Goal of completing one stormwater training per year for inspection staff. Goal of 80% CSI for inspectors.

City Inspector Training						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (Public outreach/public involvement) 2 (IDDE) 3 (Construction)	Stormwater educational training over TPDES CGP, MS4, TPDES MSGP, and pollution	January 2020	January 2021	January 2022	January 2023	January 2024

4 (Post-Construction) 5 (Municipal pollution prevention)	prevention/good housekeeping					
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5.10 Stormwater Reporting Hotline/Email

Continue the implementation of the stormwater hotline and email reporting. Used to solicit reporting of illegal dumping, stormwater complaints, and general questions from the public regarding stormwater. Revise program as necessary regarding information gathered from calls and emails.

Measurable Goal: Document calls/emails and any response from the City. Hotline email and phone number will be advertised on the City’s Public Information Facebook page at least two times a year. Document the dates the hotline is advertised.

Stormwater Public Reporting						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (Public outreach/public involvement) 2 (IDDE)	Post stormwater public reporting email and number on social media	March 2020 October 2020	March 2021 October 2021	March 2022 October 2022	March 2023 October 2023	March 2024 October 2024

5.11 Adopt-a-Spot Park Cleanup

Volunteer groups choose from various parks around San Angelo to maintain parks and minimize trash. Volunteers throughout the year clean selected parks.

Measurable Goal: Document the amount of park cleanups held throughout the year. Document the amount of trash collected from each cleanup event. Goal of having at least five volunteer cleanup events per permit year.

Adopt-a-Spot Park Cleanup						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
1 (Public outreach/public involvement) 2 (IDDE) Impaired Water Body	Document volunteer cleanup events	November 2019	November 2020	November 2021	November 2022	November 2023

5.12 Illicit Discharge Detection and Elimination (IDDE) Program

Program designed to eliminate non-stormwater discharges that significantly contribute to water pollution. The program has been developed to include enforcement via ordinances, penalty-based enforcement, inspections, remediation, and specific reporting requirements for spills.

Measurable Goal: Acquire spill containment equipment by December 2019. Develop reporting procedures for violations and spills by March 2020. Document IDDE/Spill inspections and responses. Document enforcement actions.

Illicit Discharge Detection and Elimination Program						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
2 (IDDE)	Acquire spill containment and mitigation equipment	December 2019				
2 (IDDE)	Develop reporting procedures for illicit discharges and spills		March 2020			
2 (IDDE)	Document 100% IDDE program and response			January 2022	January 2023	January 2024
2 (IDDE)	Document 100% of all enforcement actions			January 2022	January 2023	January 2024
2(IDDE)	Document 100% of all follow-up investigations and findings			January 2022	January 2023	January 2024

5.13 MS4 Mapping

Maintain MS4 outfall map and update as necessary. Identify City owned permanent structural controls, encumbrances, and permitted facilities and denote on MS4 map. Coordinate with GIS department to add newly identified structures or outfalls.

Measurable Goal: Revisions made to the MS4 map must be completed by December of each permit year. Document changes or additions made to the MS4 maps.

MS4 Mapping						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
2 (IDDE)	Document all changes to MS4 outfalls or City owned	December 2019	December 2020	December 2021	December 2022	December 2023

	stormwater structures					
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5.14 Bulk Trash Curbside Program

Program offered by the City waste collection service to reduce illegal dumping. Residents are offered an opportunity every other week to put bulk items (such as, but not limited to, furniture, mattresses, bbq pits, and certain appliances) at the curb to be hauled off by the City.

Measurable Goal: Document the amount of bulk items collected from curbside pickup. Identify areas known for illegal dumping by December 2019. Develop and implement a program to deter illegal dumping in identified areas. Track progress and outcomes to reduce illegal dumping. Measure program effectiveness with illegal dumping in identified high illegal dumping areas. Goal of reducing illegal dumping in identified areas by 2% each year.

Bulk Trash Curbside Program						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
2 (IDDE)	Identify high areas for illegal dumping	December 2019				
2 (IDDE)	Evaluate program effectiveness to hit measurable goal of 2% reduction annually.		January 2021	January 2022	January 2023	January 2024

5.15 Sanitary Sewer Line Maintenance and Inspection

Continue inspections and maintenance of sanitary sewers in order to identify potential leaks that may impact stormwater quality. Maintenance and line replacement will be conducted if necessary.

Measurable Goal: Document inspections and maintenance of sanitary sewer system. Goal of inspecting at least 70,000 linear feet of sewer lines annually. Install SCADA system on every lift station within three years.

Sanitary Sewer Line Maintenance and Inspection						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
2 (IDDE) <i>Impaired water body (Bacteria)</i>	Inspect at least 70, 0000 linear feet annually.	January 2020	January 2021	January 2022	January 2023	January 2024
2 (IDDE)	Install SCADA			May 2022		

	systems on all lift stations					
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5.16 Construction Site Operator Inspection and Enforcement

Penalty based enforcement of the City’s stormwater ordinances. Continue to implement the construction inspection standard operating procedure for conducting inspections. Ensure private and public sector construction activities adhere to the TCEQ general permit for construction sites over one acre. Conduct pollution prevention plan reviews and documentation reviews. Ensure BMPs are effectively preventing erosion from leaving construction sites. For sites less than an acre, ensure erosion control measures are utilized and erosion is prevented.

Measurable Goal: Document the number of construction sites inspected as well as any violations assessed. Log inspections completed. Goal of inspecting at least 70% of all private sector construction activities within the city limits on an annual basis. Goal of completing document reviews for private sector construction activities at least twice per year.

Construction Site Operator Inspection and Enforcement						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
2 (IDDE) 3 (Construction)	Inspect at least 70% of all private sector construction activities annually	January 2020	January 2021	January 2022	January 2023	January 2024
2 (IDDE) 3 (Construction)	Complete document review at least twice a year.	Two times per year	Two times per year	Two times per year	Two times per year	Two times per year

5.17 Site Plan Review

Continue to implement the site review process prior to construction. Reviews completed by engineering services will determine if development meets proper erosion control and drainage requirements.

Measurable Goal: Document the number of site plan reviews completed on an annual basis. Goal of reviewing at least 80% of all site plans on an annual basis. Document the number of site plans with potential water quality impacts.

Site Plan Review						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
3 (Construction)	Review at least 80% of site plans annually	January 2020	January 2021	January 2022	January 2023	January 2024

5.18 Post Construction Stormwater Management Program

Continue post-construction management ordinance enforcement to ensure that structural controls, whether City, or privately owned, are being maintained and effectively working. Review and update the program as any changes in design manual or ordinances arise.

Measurable Goal: Track enforcement on private sector maintenance of structural controls. During permit year two, track City owned structural controls on GIS. Track maintenance of City owned structural controls. Measurable goal of conducting four inspections per year on City owned structural controls. By January of permit year five, develop inspection SOP for privately owned structural controls.

Post-Construction Stormwater Management Program						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
4 (Post-Construction) <i>Impaired Water Body - DDO</i>	Identify all City owned structural controls		January 2021			
4 (Post-Construction)	Develop SOP for privately owned structural control inspections					January 2024
4 (Post-Construction) <i>Impaired Water Body - DDO</i>	Conduct 4 inspections per year on City owned structural controls	December 2019	December 2020	December 2021	December 2022	December 2023

5.19 Engineering Design Review

Continue the existing design review process for planned construction projects one acre or more. Ensure compliance with long-term protective maintenance for permanent structural water quality controls.

Measurable Goal: Document the number of sites reviewed. By permit year three implement water quality aspects into the new master drainage plan for the City. By permit year five goal of 5% of new development implementing water quality features into drainage plan.

Engineering Design Review						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
4 (Post-Construction) <i>Impaired Water Body</i>	Implement green infrastructure/water quality requirements for required detention on private sector					January 2024

4 (Post-Construction)	Implement water quality aspects into City's new Master Drainage Plan			January 2022		
<i>Impaired Water Body</i>						

5.20 Chemical Applications and Material Management

Maintain the existing chemical applications and material management program for Parks and Operations departments. Conduct training for all staff that apply chemicals and ensure that all recordkeeping is in accordance with Texas Department of Agriculture.

Measurable Goal: Conduct/Coordinate a training once a year for proper chemical and applications management. Document training date and numbers of attendees.

Chemical Applications and Material Management						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
5 (Municipal Pollution Prevention)	Conduct/Coordinate training for licensed and non-licensed applicators at least one time/year.	December 2019	December 2020	December 2021	December 2022	December 2023

5.21 Storm Sewer System/Structural Control Maintenance & Inspection

Continue existing maintenance of structural controls. Develop inspection program and written procedures for storm sewer system.

Measurable Goal: By March of permit year two, develop and implement inspection program. Document inspections and maintenance procedures. Goal of conducting maintenance on at least 10% of drains within the city limits. Goal of inspecting at least 20% of City owned drains annually.

Storm Sewer System/Structural Control Maintenance & Inspection						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
2 (IDDE) 4 (Post-Construction) 5 (Municipal Pollution Prevention)	Develop inspection program for City owned storm sewer system.		March 2021			
2 (IDDE) 4 (Post-Construction)	Conduct maintenance on at least 10% of City owned drains		January 2021	January 2022	January 2023	January 2024

5 (Municipal Pollution Prevention)						
2 (IDDE) 4 (Post-Construction) 5 (Municipal Pollution Prevention)	Inspect at least 20% of City owned drains annually		December 2020	December 2021	December 2022	December 2023

5.22 Street Sweeping Program/Spoil Disposal Program

Continue to implement the street sweeping program and schedule set forth in the street sweeping SOP. Modify any changes needed throughout the permit term. Continue the proper disposal of collected street sweeping waste per general permit requirements.

Measurable Goal: Goal of sweeping at least 80% of the City streets annually. Document miles swept, amount of spoils disposed, and areas swept.

Street Sweeping/Spoil Disposal Program						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
5 (Municipal Pollution Prevention)	Sweep at least 80% of city streets annually	December 2019	December 2020	December 2021	December 2022	December 2023

5.23 Public Spill Response

Continue spill response program with the San Angelo Fire Department. Identify budgetary needs for spill kits and other response tools to mitigate spills.

Measurable Goal: Document spill response events. Within permit year one, identify budgetary needs for spill response materials. Conduct at least one training per year for response teams. Document training date and attendance.

Public Spill Response						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
2 (IDDE)	Identify budgetary needs for spill response materials	January 2020				

2 (IDDE)	SAFD HAZMAT to attend at least one training annually for spill response	January 2020	January 2021	January 2022	January 2023	January 2024
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5.24 Municipal Facility Pollution Prevention/Good Housekeeping

Conduct new facility assessments on certain facilities with the potential to impact water quality. Identify areas of improvement and ways to prevent pollution. Ensure each facility has a fully implemented spill program for incidental spills. For de-icing operations, the City will ensure that sand is stored in a covered location with a berm around to prevent sediment from leaving the area. The City does not utilize any other applications for de-icing roads. Fueling operations and vehicle maintenance activities are conducted in covered or indoor areas. Specific spill kits are included in these areas for spills. Equipment and vehicle washing areas are covered and contain a grit trap for collecting sediment and other potential contaminants. Grit traps are pumped on a regular basis and grit trap waste is analyzed at least once a year for potential contaminants. Grit trap waste is disposed of at an approved facility.

Measurable Goal: Implement pollution prevention program for water utilities within permit year one. Implement pollution prevention program for vehicle maintenance and street and bridge by permit year two. Implement pollution prevention program for parks and lake operations by permit year three. Develop inspection program and SOP for facilities by the end of permit year five. Document plans developed for each facility, inspections conducted, and trainings for good housekeeping.

Municipal Facility Pollution Prevention/Good Housekeeping						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
5 (Municipal Pollution Prevention)	Develop and Implement pollution prevention/good housekeeping plan for water utilities	January 2020				
5 (Municipal Pollution Prevention)	Develop and Implement pollution prevention/good housekeeping plan for vehicle maintenance and street and bridge		January 2021			
5 (Municipal Pollution Prevention)	Develop and Implement pollution prevention/good housekeeping plan for parks and lake operations			January 2022		

5 (Municipal Pollution Prevention)	Inspect all municipal facilities one time per year.				January 2023	January 2024
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5.25 Municipal Owned Industrial Permitted Inspections

Develop and implement industrial inspection program for City owned facilities that fall under the TPDES MSGP permit. Identify inspection procedures and develop SOP for inspections and addressing violations.

Measurable Goal: By permit year one, develop inspection SOP and inspection report. By permit year two, begin conducting industrial inspections on all industrial permitted facilities that are owned by the City. Document inspection reports, violations, follow-ups. By permit years three and four, conduct one document review and one facility inspection per permitted facility.

Municipal Industrial Inspection Program						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
5 (Municipal Pollution Prevention)	Develop industrial inspection SOP and inspection report	December 2019				
5 (Municipal Pollution Prevention)	Begin implementing inspection program		December 2020			
5 (Municipal Pollution Prevention)	Conduct one document review and one site inspection per facility			December 2021	December 2022	December 2023

5.26 River Cleanups

Conduct river cleanups after qualifying rain events to reduce floatables in the river. Ensure proper waste disposal of collected material.

Measurable Goal: Document the date of each cleanup and document the amount of trash removed from the river. Conduct at least two river cleanups per permit year.

River Cleanup						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
5 (Municipal Pollution Prevention) 2 (IDDE)	Conduct at least 2 river cleanups annually	January 2020	January 2021	January 2022	January 2023	January 2024

<i>Impaired Water Body – DDO</i>						
5 (Municipal Pollution Prevention)						

5.27 Pet Waste Reduction Program

Develop and implement pet waste reduction initiative by working with parks department and local pet rescue facilities and programs. Implement pet waste receptacles/pet waste bags in parks around town. Conduct/provide educational information for the public.

Measurable Goal: Identify areas where pet waste receptacles are needed and identify budgetary needs for installation. Document the locations and installation of pet waste receptacles. By permit year two, develop educational materials, programs, or outreach for the public. By permit year three, develop collaborative programs with local pet rescues and other pet related organizations. Document events held and materials distributed. After permit year three, conduct/participate in at least one educational event annually.

Pet Waste Reduction Program						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr. 4</i>	<i>Permit Yr. 5</i>
5 (Municipal Pollution Prevention) 2 (IDDE) <i>Impaired Water Body - Bacteria</i>	Identify areas where pet waste receptacles are needed and assess budgetary needs.	October 2019				
5 (Municipal Pollution Prevention) 1 (Public Education/Outreach)	Develop educational programs or acquire materials for distribution		November 2020			
5 (Municipal Pollution Prevention) 1 (Public Education/Outreach)	Develop collaborative outreach/education programs with local pet interest groups (rescues, animal shelter, etc.)			March 2020		

5 (Municipal Pollution Prevention)	Conduct/participate in at least one educational event annually				June 2021	June 2022
1 (Public Education/Outreach)						

5.28 Keep San Angelo Beautiful Program

Program developed to address needs within the City for opportunities to improve and conserve our natural resources. Events will be held to promote the mission of the program and offer opportunities for public involvement. Public cleanups and other events will be included in the program.

Measurable Goal: Within the first permit year, develop program goals and elect board members to determine the goals for the KSAB director. Conduct at least one outreach event for permit year 2, 3, 4, and 5. Document events held, attendance, and materials/information distributed.

Keep San Angelo Beautiful						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
5 (Municipal Pollution Prevention) 2 (IDDE) 1 (Public Education/Outreach)	Develop program goals, responsibilities and elect board members	January 2020				
5 (Municipal Pollution Prevention) 2 (IDDE) 1 (Public Education/Outreach)	Conduct at least one outreach event		April 2020	April 2021	April 2022	April 2023

5.29 Fats, Oils, Greases Program

Engineering review process to ensure that grease traps for restaurants are properly sized and upgraded as needed. Ensure grease traps are properly maintained by inspection of maintenance records. Distribute educational materials or conduct educational programs for the food service industry.

Measurable Goal: By permit year one, develop SOP for engineering review of the sizing of grease traps for new restaurants. By permit year two, begin review and inspection process. Document inspections and any findings. Conduct at least one educational program or distribute educational materials each permit term.

Fats, Oils, Greases Program						
<i>MCMs</i>	<i>Measurable Goal</i>	<i>Permit Yr. 1</i>	<i>Permit Yr. 2</i>	<i>Permit Yr. 3</i>	<i>Permit Yr.4</i>	<i>Permit Yr. 5</i>
2 (IDDE) <i>Impaired Water Body - DDO</i>	Develop SOP for engineering review of grease trap sizing	September 2019				
2 (IDDE) <i>Impaired Water Body - DDO</i>	Review and inspect 100% of new grease trap applications			January 2022		
2 (IDDE) 1 (Public Education/Outreach)	Conduct at least one outreach event or distribute educational materials to local restaurants			January 2022	January 2023	January 2024

