CITY OF KYLE

STORMWATER MANAGEMENT PROGRAM (SWMP)

Permit No.: TXR040490
RN107582660
CN600334510
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1 INTRODUCTION

The City of Kyle ("city") is subject to the requirements of the Texas Pollutant Discharge Elimination System (TPDES) Small (Phase II) Municipal Separate Storm Sewer System (MS4) General Permit (GP), TXR040000, issued on August 15, 2024. This general permit sets the requirements and conditions for stormwater discharges from small MS4s to surface waters in the state. The city previously developed and implemented a stormwater management program (SWMP) to comply with the 2013 TPDES Small MS4 GP due to Kyle being located within the Austin Urban Area as defined by the 2010 U.S. Decennial Census. This document describes the city's SWMP to protect water quality from stormwater runoff throughout the city and serves as the city's documentation of intended compliance with the 2024 TPDES Small MS4 GP.

The City of Kyle

The City of Kyle was incorporated in 1928 in Hays County Texas. Kyle is bordered to the south by the City of San Marcos and to the north and northwest by Buda and Mountain City. Kyle consists of 32.62 square miles, approximately 188 acres of water or waterways, and 743 acres of parkland. According to the 2020 census, Kyle's population was 45,697. As of this 2024 SWMP update, Kyle's estimated number of residential addresses within the city limits is 19,583.

The city is operated under a Council-Manager form of government and governed by an elected mayor and six city council members. The city council and planning and zoning commission regulate development within the city.

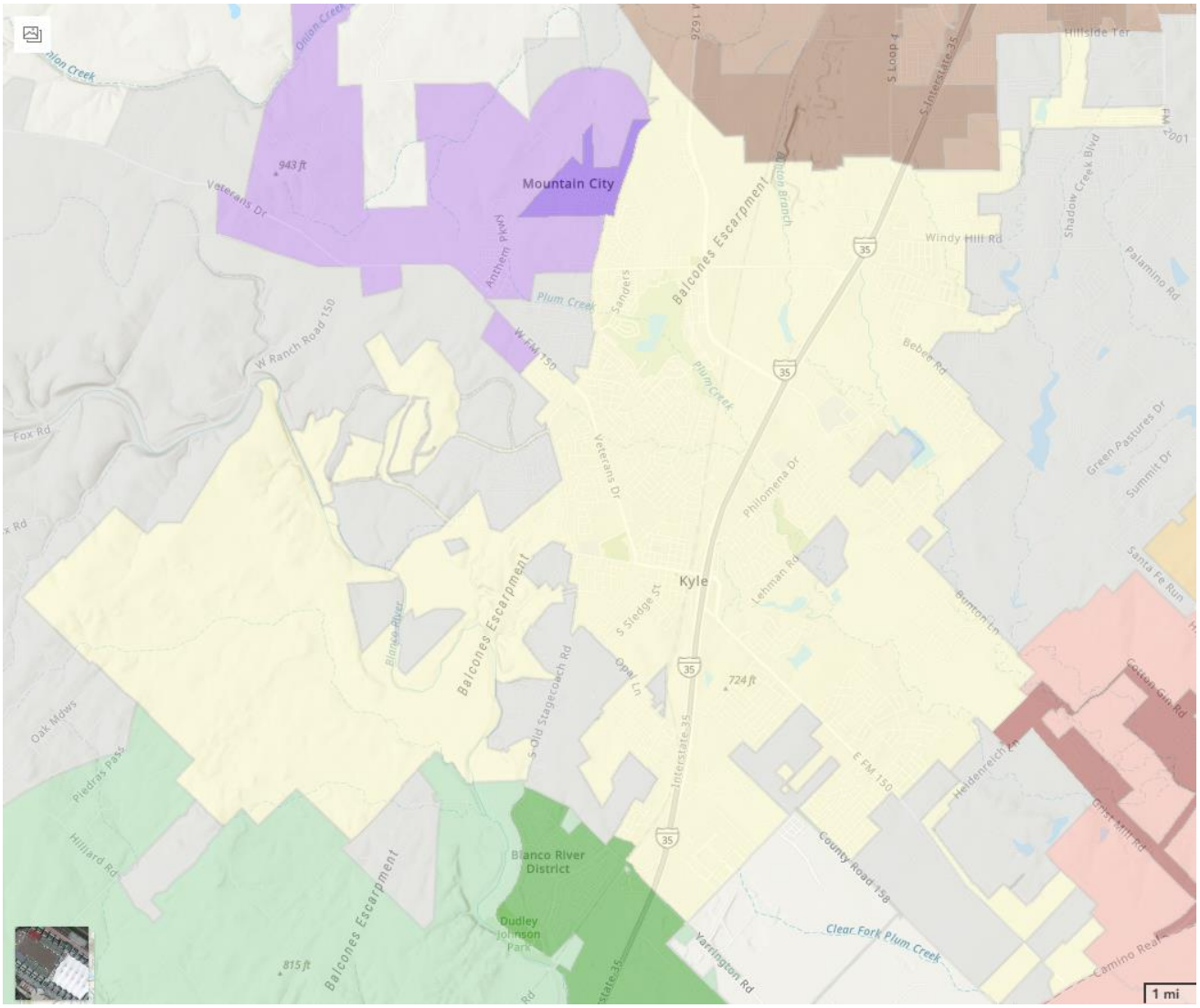
Permit Applicability and Coverage

The city has updated this SWMP to comply with the 2024 Small MS4 GP requirements. The city is located within the Austin 2020 Decennial U.S. Census Urban Area. The SWMP covers the city's MS4 area which is defined by the city limit boundaries. This SWMP includes best management practices (BMPs) that will be implemented by the city to reduce stormwater pollution to the maximum extent practicable (MEP), as required by the 2024 Small MS4 GP. The City of Kyle will provide adequate resources and funding to implement the requirements of this general permit.

Other Entities Assisting with the SWMP Preparation & Implementation

The City of Kyle is utilizing the City of Kyle stormwater staff to prepare this SWMP. There are no other MS4 operators contributing to the development or implementation of the City of Kyle's SWMP.

Figure 1 - City of Kyle City Limits Map



2 WATER QUALITY

Water Quality in Kyle

The Phase II MS4 GP requires that the classified segments that first receive the city's stormwater discharges, either directly or indirectly, be identified. Stormwater discharges from the city eventually reach the following classified segment(s):

- Plum Creek (Segment 1810_03)
- Lower Blanco River (Segment 1809)
- Upper Blanco River (Segment 1813)

The classified segments listed above, and unclassified water bodies that receive stormwater discharges before reaching the classified segment, are summarized in Table 1 and displayed in Figure 2.

Plum Creek (Segment 1810_03)

Plum Creek, Segment 1810_03, in the eastern limits of Kyle, was first listed in the 2004 303(d) list for water quality impairment due to elevated concentrations of bacteria, specifically E. coli. The category of Plum Creek was changed from 5c to 4b in the 2010 TCEQ Texas Integrated Report due to the presence of an EPA-approved Watershed Protection Plan (WPP). This recategorization indicated that progress was being made on the water body's impairment through an alternative to a Total Maximum Daily Load (TMDL), namely a WPP, adopted by the Plum Creek Watershed Partnership in 2008. The Plum Creek WPP was the first ever approved WPP in Texas. More information can be found at: https://plumcreekwatershed.org/protection-plan/

Lower Blanco River (Segment 1809)

The Lower Blanco River, Segment 1809, is 15 miles long and extends from the confluence of the Blanco River and San Marcos Rivers, just outside the City of San Marcos, upstream to the Lime Kiln Road crossing in Hays County. The 85 square mile drainage area of the Lower Blanco River is primarily located on the Edwards Plateau but enters the Blackland Prairies on the eastern edge of Hays County. This segment consists of limestone substrate with occasional stony and clay loams. The changes in elevation as the river crosses the Balcones fault increase the stream flow but there are also several slow-moving stretches throughout the segment. The water is primarily used for aquatic life, contact recreation and fish consumption. The land in the urban basin is used for farming, ranching, recreation,

light manufacturing and urban development. The urban development of this segment is increasing at a rapid pace due to the river's location in the middle of the IH 35 corridor. The 2024 Texas Water Quality Inventory Report, nor the 303(d) listed any impairments or concerns for Segment 1809.

Upper Blanco River (Segment 1813)

The Upper Blanco River, Segment 1813, extends for 71 miles from Lime Kiln Road in Hays County, through Blanco County, to the spring-fed headwaters in northern Kendall County. Segment 1813 is a spring-fed stream, on the Edwards Plateau. The majority of the segment exhibits limestone substrate with occasional gravel, silt, or clay strata. The limestone is known to contain gypsum deposits, which can contribute to high sulfate concentrations in groundwater. The stream has historically displayed exceptional water quality and usually exhibits extremely clear water. In general, most water quality concerns in this segment of the Blanco River are linked to a highly variable stream flow. The upper portion of the Blanco River is known to go dry during prolonged periods of drought and the banks and substrate of the entire segment exhibit significant scouring during extended wet periods. The 2024 Texas Water Quality Inventory Report, nor the 303(d) listed any impairments or concerns listed for Segment 1813.

Discharges to the Edwards Aquifer Recharge Zone

The City of Kyle has areas over the Edwards Aquifer Recharge, Contributing, and Transition Zones within our city limits. Discharges of stormwater from regulated small MS4s, and other non-stormwater discharges, are not authorized by this general permit where those discharges are prohibited by 30 TAC Chapter 213 (Edwards Aquifer Rule). New discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit.

For existing discharges, the requirements of the TCEQ-approved Water Pollution Abatement Plan (WPAP) under the Edwards Aquifer Rule are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural stormwater controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in

stormwater runoff are in addition to the effluent limitation requirements found in Part VII.E.7. of this general permit.

The permittee's TCEQ-approved WPAPs that are required by the Edwards Aquifer Rule must be referenced in the SWMP. Additional TCEQ-approved WPAPs received after the SWMP submittal must be recorded in the annual report required by this general permit for each respective permit year. For discharges originating from the small MS4 permitted area and located on or within ten stream miles upstream of the Edwards Aquifer recharge zone, applicants must also submit a copy of the MS4 Notice of Intent (NOI) to the appropriate TCEQ Regional Office with each WPAP application.

City of Kyle Approved WPAPs:

Project Name	**TCEQ Approval Number**	**Date Approved**

Direct Discharges to Impaired Water Bodies Without an Approved TMDL

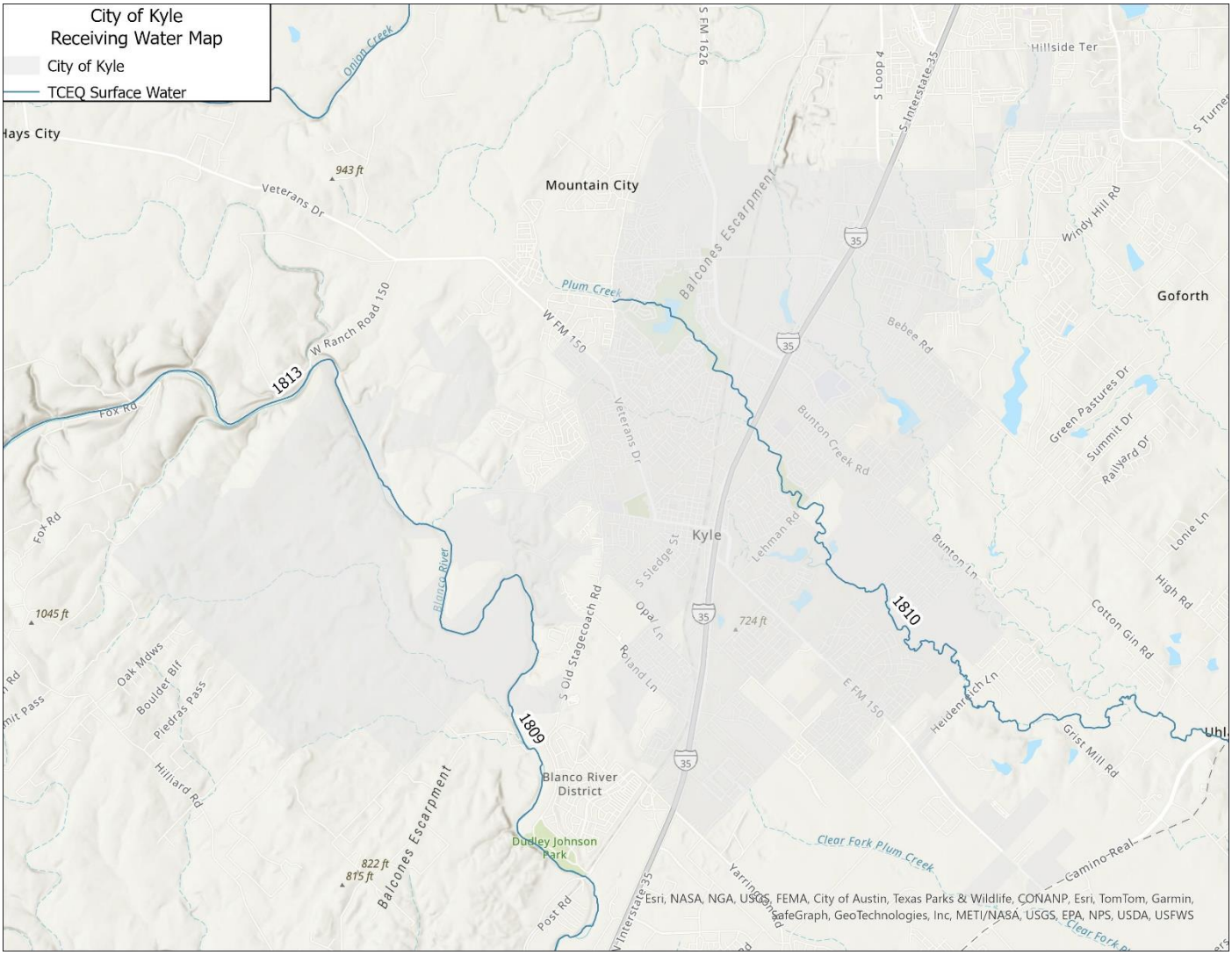
As summarized in this SWMP, the City of Kyle will comply with Part III, Section B. for Discharges Directly to Water Quality Impaired Water Bodies Without an Approved TMDL. There are direct and indirect stormwater discharges to Plum Creek (Segment 1803_03), which is an impaired water body for bacteria. Kyle is an active partner of the Plum Creek Watershed Partnership. Based on Bacterial Source Tracking, DNA analysis, and a study conducted by the Plum Creek Watershed Partnership, feral hogs contribute the largest percent of E. coli to Plum Creek, Segment 1803_03, with avian wildlife contributing the next highest percentage. In recent years, Kyle has focused on wastewater treatment and collection system upgrades in addition to pet waste outreach. The city will implement these efforts, try to identify potential sources, and develop and implement BMPs, as needed.

Table 1 - Water Quality Summary for Receiving Waters

Classified Water Body Watershed	**Receiving Water Body Name**	**Receives Stormwater Directly or Indirectly**	**303(d) List**	**TMDL/I-Plan or WPP**	**Listed Water Quality Concerns**
Plum Creek (Segment 1810_30)	Plum Creek (Segment 1810_03)	Directly	No	EPA Accepted Watershed Protection Plan	Bacteria
Lower Blanco River (Segment 1809)	Lower Blanco River (Segment 1809)	Indirectly	No	No	N/A
Upper Blanco River (Segment 1813)	Upper Blanco River (Segment 1813)	Indirectly	No	No	N/A

Date Verified:
01/09/2025

Figure 2 - Receiving Waters Map



Endangered Species Act

Based on the IPaC Resource List run on December 16, 2024, the City of Kyle did not have concerns over potential impacts to endangered or threatened species at the time this SWMP was developed.

3 COMPLIANCE APPROACH

Kyle's SWMP outlines specific actions the city will take over the five-year permit term covered by the 2024 TPDES Small MS4 GP to reduce pollutants and protect the city's stormwater quality. This SWMP also sets measurable goals and provides a schedule for the implementation of the BMPs.

Best Management Practice (BMP) Selection Process

The city assessed existing program elements set forth during the previous permit term, modified as necessary, and is implementing new elements to reduce the discharge of pollutants from the MS4 to the maximum extent practical (MEP). As a result, BMPs described in the previous permit were replaced with the following BMPs outlined in this SWMP per the 2024 MS4 GP.

Legal Authority and Regulatory Mechanisms

The city will review and revise, as needed, its relevant ordinance(s) or other regulatory mechanism(s), or adopt new ordinance(s) or other regulatory mechanism(s) that provide the city with adequate legal authority and enforcement measures to control pollutant discharges into and from our MS4. The City of Kyle Code of Ordinances Part I, Chapter 50, Article IX Stormwater Regulations, Ordinance 891, was adopted in February 2016.

The City of Kyle will maintain written procedures and standard operating practices to include enforcement measures, as required per the 2024 MS4 GP, as separate documents since those documents may require updating as needed.

TPDES Construction General Permit (CGP) - The TCEQ regulates stormwater discharges from most construction activity through the TPDES CGP No. TXR150000. For construction sites disturbing one acre or more, a stormwater pollution prevention plan (SWPPP) must be developed and site controls must be installed, such as silt fence, inlet protection, and a stabilized construction site entrance, to minimize the discharge of sediment and other pollutants from the construction site. The control measures may be removed when construction is complete and the site is re-vegetated or otherwise stabilized.

The City of Kyle referenced the TCEQ construction general permit in the city's ordinance for compliance consistency.

Allowable Non-Stormwater Discharges

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 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;
13. Dechlorinated swimming pool discharges that do not violate Texas Surface Water Quality Standards;
14. Street wash water excluding street sweeper wastewater;
15. Discharges or flows from emergency fire-fighting activities (emergency fire-fighting activities do not include washing of trucks, runoff 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.

Recordkeeping and Reporting

The City of Kyle will ensure compliance with Part V, Sections A & B of the 2024 MS4 GP.

4 KYLE MS4 PROGRAM

The City of Kyle is a Level 3 MS4 based on the 2020 Census.

Level 3

Operators of traditional small MS4s that serve a population of at least 40,000 but less than 100,000 within a UA.

Definitions

See definitions in the Texas Pollutant Discharge Elimination System (TPDES) Small Phase II Municipal Separate Storm Sewer Systems Permit, TXR040000.

Minimum Control Measures (MCMs)

The City of Kyle will comply with BMPs chosen for each MCM as listed in the NOI. Descriptions of each MCM and the city's applicable BMPs are outlined in this SWMP. The City of Kyle may partner with the City of San Marcos or other MS4s to maximize outreach for MCM 1 Public Education & Outreach and MCM 2 Public Involvement/Participation per TXR040000, Part IV, Section D.1(a)(3)d and Part IV, Section D.2(c) which states that small MS4 operators may partner with other MS4 operators to maximize the program and cost-effectiveness of the required outreach, public involvement/participation activities. This partnership may vary from permit year to permit year and will be reported in Kyle's annual report if the partnership occurs during that permit year. The city has a public works department, water utilities department, planning department, parks department, engineering department, code enforcement, facilities department, communications department, beautification division, and building department, all of which play a vital role in Kyle's compliance with the SWMP's BMPs.

MCM 1: Public Education and Outreach

TXR040000, Part III and Part IV, Section D.1

Public Education and Outreach

Small MS4 operators may partner with other MS4 operators to maximize the program and cost-effectiveness of the required outreach.

Compliance Due Dates	
Measurable Goals Required Annually	BMPs will be met by December 31st each permit year 1-5
Measurable Goals Required Once During Permit Term	BMPs will be met by December 31, 2029

Target Audiences and Target Pollutants

Target Audience	Target Pollutants	BMPs
Residents/General Public	Pet waste	1-1, 1-2, 1-4, 1-5, 1-6
Developers or Construction Site Operations	Sediment runoff from construction activities	1-3

MS4 Level	Minimum Number of Public Education and Outreach BMPs
Level 3	Six (6) BMPs (due to Part III, Section B.2)

MCM 1 - Required Public Education and Outreach BMPs

BMP No.	Responsible Department	BMP	Measurable Goal
1-1	Communications & Stormwater	Information on the MS4 operator's website.	Maintain a webpage with current, accurate information and working links. • All links shall be checked, and the page shall be updated as necessary at a **minimum of once annually.** • Must be maintained for the full year, each year.
1-2	Communications	Social Media posts, social media campaign.	Post a **minimum of four times each year on a minimum of one social media platform**. • The message must address ways attendees can minimize or avoid adverse stormwater impacts or practices to improve the quality of stormwater runoff. • The messages must be seasonally appropriate. • Must make a minimum of one post per quarter and all quarterly posts must be visible by attendees for the full year, **each year**.

1-3	Stormwater	Maintain or mark storm drains and inlets with, "No Dumping – Drains to Creek" or a similar message.	Placard, stencil, or paint a minimum of 10% of all known stormwater inlets in either high-impact areas identified by the small MS4 operator or impairment watersheds within the MS4 **area each year**. Where all known stormwater inlets have been marked, inspect, and maintain the markers for a minimum of 15% of all known stormwater inlets in either **high-impact areas identified by the small MS4 operator** or impairment watersheds within the MS4 area **each year**.
1-4	Communications	Fact sheets/ brochures/utility bill inserts/door hangers.	Develop material topics that are group-specific and address activities or pollutants of concern. Fact sheets, brochures, bill inserts, door hangers, or handouts must be distributed **each year for at least 75% of the intended audience**. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.
1-5	Stormwater & Parks	Permanent stormwater related signage.	Place signage in a location where the message is relevant and highly visible to the target audience. Signage will count as **annual BMP for the year it was put in place and for each subsequent year** of this permit cycle as long as each of those years, the permittee inspects and maintains, as necessary, 100% of the signage once annually.
1-6	Communications	Targeted educational campaign via mail, email, or in person.	Minimum of **one campaign annually** distributed to at least 75% of the intended audience, or with a specific event advertised to at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness. (Examples: Sediment control w/small building permit; leaf litter email during street sweeping season; or education brochure to all businesses conducting a certain activity)

MCM 2: Public Involvement/Participation

TXR040000, Part III and Part IV, Section D.2

Public Involvement and Participation

Small MS4 operators may partner with other MS4 operators to maximize the program and cost-effectiveness of the required public involvement/participation activities.

Compliance Due Dates	
Measurable Goals Required Annually	BMPs will be met by December 31st each permit year 1-5
Measurable Goals Required Once During Permit Term	BMPs will be met by December 31, 2029

Public Involvement/Participation Minimums

MS4 Level	Public Education & Outreach BMPs
Level 3	Four (4) BMPs

MCM 2 - Required Public Involvement/Participation BMPs

BMP No	Responsible Department	Activity/BMP	Measurable Goal
2-7	Stormwater & Parks	Stream/lake or watershed clean-up events; litter/trash clean-up events such as Adopt-A-Highway, Adopt-A-Spot, Adopt-A- Street, Adopt-A-Stream, etc.	Host **at least two events annually.** To be considered an event, the land area cleaned must be a minimum of: • two acres • 400 yards of a stream, streambank, riparian area, or • two miles of roadside These may be combined (such as one acre of land and 200 yards of stream).
2-8	Parks	Habitat improvement; Tree planting; Invasive Vegetation removal; Stream restoration.	Host or support at a minimum of two events for level 3 MS4s annually. • To be considered an event, the project must be a minimum of 0.5 acres or 25 yards. • An event may take place in streams, parks, areas adjacent to public waterways, or other green space. An event may be a combination of locations and areas.

2-9	Stormwater	Educational display/booth at a school, public event, or similar event to provide information or displays that work to improve public understanding of issues related to water quality.	Provide or support one booth or display at minimum annually **at a school, public event, or similar event** that provides information or displays to improve public understanding of issues related to water quality. The booth or display must be staffed during the time which the event is open to the public.
2-10	Stormwater	Public meeting for input on the program implementation such as a city council meeting, board meeting, or stakeholder meeting.	Host or support a minimum of one meeting annually for input on the program implementation to be advertised to at least 75% of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.

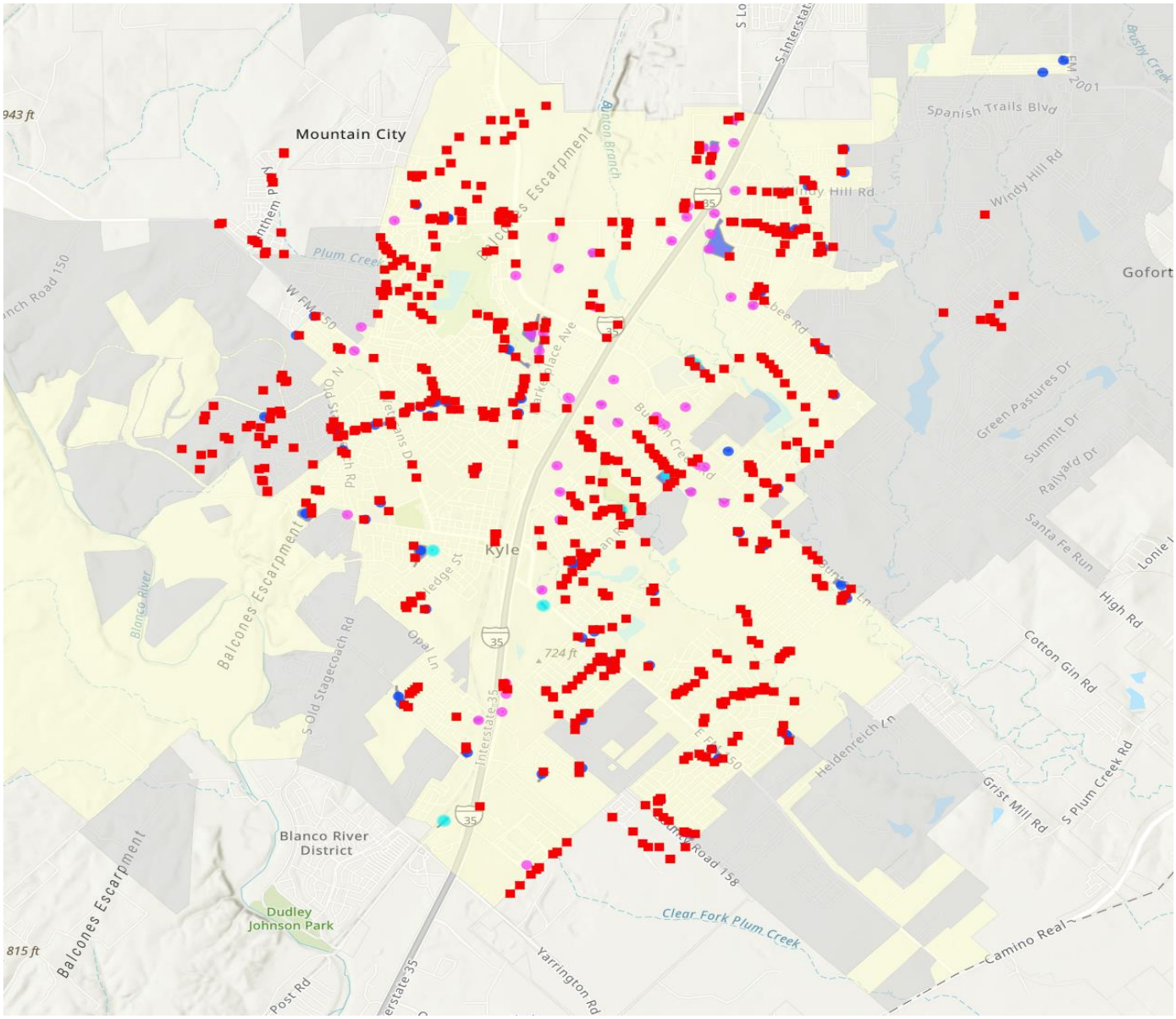
MCM 3: Illicit Discharge Detection and Elimination (IDDE)

TXR040000, Part III and Part IV, Section D.3

MS4 Map

TXR040000, Part IV, Section D.3.c.1

- Date of last revision – 11/15/2024



Public Reporting of Illicit Discharges and Spills
The City of Kyle publicizes and facilitates public reporting of illicit discharges, illegal dumping, or water quality impacts associated with discharges into or from the small MS4 using an online reporting form. This reporting form is emailed to the Stormwater Program once submitted and is located at:

https://www.cityofkyle.com/cityengineer/page/report-spill-illicit-discharge-and-illegal-dumping

In addition, the City of Kyle utilizes the Capitol Area Council of Government (CAPCOG) NO-DUMPS hotline for reporting illegal dumping anonymously anytime by calling 1-877-NO-DUMPS (1-877-663-8677). CAPCOG forwards these illegal dumping complaints to the City of Kyle for investigation.

Procedures to Prevent and Correct Any Leaking OSSFs
If a failing On-Site Sewage Facility (OSSF) is identified within the City of Kyle city limits, Hays County Developmental Services will be contacted since Hays County is the Authorized Agent for the OSSF program in Kyle.

Compliance Due Dates	
Measurable Goals Required Annually	BMPs will be met by December 31st each permit year 1-5
Measurable Goals Required Once During Permit Term	BMPs will be met by December 31, 2029

MCM 3 - Required IDDE BMPs

BMP No	Responsible Department	Activity/BMP	Measurable Goal
3-11	Stormwater	Maintain a current and accurate MS4 map as described in Part IV.D.3.(c)(1).	Review and update, as necessary, **at least one time annually** to include features that have been added, removed, or changed.
3-12	Stormwater	Conduct training for all the permittee's field staff as described in Part IV.D.3.(c)(2). Training may be conducted in person or using self-paced training materials such as videos or reading materials.	Conduct a minimum of **one training annually** for 100% of MS4 field staff that may come into contact with or otherwise observe an illicit discharge, illegal dumping, or illicit connection to the small MS4 as part of their normal job responsibilities.
3-13	Communications	Maintain and publicize a public reporting method for the public to report illicit discharges, illegal dumping, or water quality impacts associated with discharges into or from the small MS4 such as a reporting hotline, online form, or other similar mechanism as described in Part IV.D.3.(c)(3).	Maintain a minimum of one public reporting mechanism 100% of the time during the permit term. **Publicize the public reporting mechanism a minimum of two times annually** in a method designed to reach the majority of the intended audience. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness. In addition, if the MS4 operator has a public website, the public reporting mechanism must be publicized on the public website 100% of the time during the permit term.
3-14	Stormwater	Develop and maintain procedures for responding to illicit discharges, illegal dumping, and spills as described in Part IV.D.3.(c)(4).	Review and update the procedures **at least one time annually** to address changes and make improvements to the established procedures where applicable.
3-15	Stormwater	Source investigation and elimination of illicit discharges and illegal dumping as described in Part IV.D.3.(c)(5).	**Respond to 100% of known illicit discharges and illegal dumping incidents each year** to investigate sources.

			Respond to 100% of high-priority discharges each year, such as sanitary sewer discharges within 24 hours. Notify TCEQ immediately of 100% of illicit flows believed to be an immediate threat to human health or the environment throughout the permit term.
3-16	Stormwater	Corrective action to eliminate illicit discharges and illegal dumping as described in Part IV.D.3.(c)(5).	For 100% of illicit discharges or illegal dumping where a source has been determined, **notify the responsible party of the problem within 24 hours**. Require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge.
3-17	Stormwater	Inspection Procedures as described in Part IV.D.3.(c)(6).	Review and update the procedures **at least one time annually** to address changes and make improvements to the established procedures where applicable.
3-18	Stormwater	Inspections in response to complaints as described in Part IV.D.3.(c)(6).	**Conduct inspections in response to 100% of complaints** each year according to the established procedures. **Conduct follow-up inspections in 100% of cases each year** where necessary as described in the established procedures.
3-19	Stormwater	Conduct follow-up investigations or field screenings when notified that a discharge has been eliminated.	Conduct follow-up investigations or field screening in **response to 100% of notifications each year**. Complete the follow-up investigations within five business days, on average.

MCM 4: Construction Site Stormwater Runoff Control

TXR040000, Part IV, Section D.4

Develop and Maintain City Ordinances

The City of Kyle requires all construction site operators to implement appropriate erosion and sediment control BMPs that are consistent with the TPDES CGP TXR150000 and the 2024 MS4 General Permit.

City Ordinance Number(s):

891 passed 02/16/2016
942 passed 05/02/2017
1087 passed 04/21/2020

Compliance Due Dates	
Measurable Goals Required Annually	BMPs will be met by December 31st each permit year 1-5
Measurable Goals Required Once During Permit Term	BMPs will be met by December 31, 2029

MCM 4 - Required Construction Site Stormwater Runoff Control BMPs

BMP No	Responsible Department	Activity/BMP	Measurable Goals
4-20	Stormwater	Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.4.(a).	Review and update the ordinance or other regulatory mechanism **at least one time during the permit term** to address changes and make improvements to the ordinance where applicable.
4-21	Stormwater	Prohibit discharges as described in Part IV.D.4.(b)(2).	Develop and maintain an ordinance or other regulatory mechanism to prohibit these discharges. Review and update the ordinance or other regulatory mechanism **at least one time during the permit term** to address changes and make improvements to the ordinance where applicable.
4-22	Stormwater	Maintain and implement site plan review procedures that describe which plans will be reviewed as well as when an operator may begin construction as described in Part IV.D.4.(b)(3).	Review and update site plan review procedures **at least one time annually** to address changes and make improvements to the established procedures where applicable. Implement site plan review procedures for 100% of new construction site plans received each year.

4-23	Stormwater	Implement procedures for inspecting large and small construction projects as described in Part IV.D.4.(b)(4).	Review and update inspection procedures **at least one time annually** to address changes and make improvements to the established procedures where applicable.
4-24	Stormwater	Conduct construction site inspections as described in Part IV.D.4.(b)(4).	**Conduct inspections at a minimum of 80% of active construction sites annually** according to the established procedures. Each year, **conduct follow-up inspections in 100% of cases where necessary** as described in the established procedures.
4-25	Stormwater	Develop, implement, and maintain procedures for receipt and consideration of information submitted by the public as described in Part IV.D.4.(b)(5).	Review and update procedures for the receipt and consideration of information submitted by the public **at least one time annually** to address changes and make improvements to the established procedures where applicable. Maintain one webpage, hotline, or similar method for receipt of information submitted by the public throughout the permit term.
4-26	Stormwater	Conduct training for all the MS4 staff whose primary job duties are related to implementing the construction stormwater program as described in Part IV.D.4.(b)(6). Training may be conducted in person or using self-paced training materials such as videos or reading materials.	**Conduct a minimum of one training annually for 100% of MS4 staff** whose primary job duties are related to implementing the construction stormwater program.
4-27	Stormwater	Maintain a Construction Site inventory as described in Part IV.D.4.(c).	**Maintain an annual inventory of 100% of TPDES permitted active public and private construction sites** in the small MS4 area, that result in a total land disturbance of one or more acres or that result in a total land disturbance of less than one acre if part of a larger common plan or development or sale.

MCM 5: Stormwater Structural Controls Program for New & Redevelopment

TXR040000, Part IV, Section D.5

Compliance Due Dates	
Measurable Goals Required Annually	BMPs will be met by December 31st each permit year 1-5
Measurable Goals Required Once During Permit Term	BMPs will be met by December 31, 2029

MCM 5 - Required Stormwater Structural Controls Program for New Development & Redevelopment BMPs

BMP No	Responsible Department	Activity/BMP	Measurable Goals
5-28	Stormwater	Develop and maintain an ordinance or other regulatory mechanism as described in Part IV.D.5.(a)(2).	Review and update the ordinance or other regulatory mechanism **at least one-time during the permit term** to address changes and make improvements to the ordinance where applicable.
5-29	Stormwater	Document and maintain records of enforcement actions and make them available for review by the TCEQ as described in Part IV.D.5.(b)(1).	Maintain records of 100% of enforcement actions taken **each year.** Make 100% of enforcement records available to TCEQ for review within 24 hours of request.
5-30	Stormwater	Ensure the long-term operation and maintenance of structural stormwater control measures installed as described in Part IV.D.5.(b)(2).	**Each year,** implement a maintenance plan and schedule established by the small MS4 operator addressing 100% of stormwater control measures where the small MS4 operator is responsible for maintenance. **Each year,** require 100% of the owners or operators of any new development or redeveloped sites to develop and implement a maintenance plan addressing maintenance requirement for any structural control measures installed on site. Require the site owner or operators to maintain documentation, such as a tracking log, onsite of 100% of the maintenance performed and made available for review by the small MS4 operator or TCEQ within 24 hours of the request.

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

TXR040000, Part IV, Section D.6

Compliance Due Dates	
Measurable Goals Required Annually	BMPs will be met by December 31st each permit year 1-5
Measurable Goals Required Once During Permit Term	BMPs will be met by December 31, 2029

MCM 6 - Required Pollution Prevention and Good Housekeeping for Municipal Operations BMPs

BMP No	Responsible Department	Activity/BMP	Measurable Goals
6-31	Stormwater	Permittee-owned Facilities and Control Inventory as described by Part IV.D.6.(b)(1).	Develop and maintain an annual inventory for 100% of the small MS4-owned and operated facilities and controls in the small MS4 area. **Review and update the inventory at least one time annually** to address changes or additions to the facilities and controls where applicable.
6-32	Stormwater	Training and Education as described in Part IV.D.6.(b)(2). Training may be conducted in person or using self-paced training materials such as videos or reading materials.	**Conduct a minimum of one training annually** for 100% of employees involved in implementing pollution prevention and good housekeeping practices.
6-33	All Departments & Stormwater	Disposal of Waste Material as described in Part IV.D.6.(b)(3).	Ensure that 100% of waste from the MS4 is disposed of in accordance with 30 TAC Chapters 330 or 335, **as applicable each year**.
6-34	Facilities	Contractor Requirements and Oversight as described in Part IV.D.6.(b)(4).	**Each year**, ensure that 100% of contractors hired by the MS4 to perform maintenance activities on permittee-owned facilities is contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures described in Parts IV D.6.(b)(2)-(6). Implement oversight procedures of contractor activities in 100% of contracts to

			ensure that contractors are using appropriate control measures and SOPs each year. Oversight procedures must be maintained on-site 100% of the time and made available for review by TCEQ within 24 hours of request.
6-35	Stormwater & Public Works	Assessment of permittee-owned operations as described in Part IV.D.6.(b)(5)a.	Evaluate 100% of O&M activities, in conjunction with procedure reviews if appropriate, for their potential to discharge pollutants in stormwater **annually** including but not limited to: • Road and parking lot maintenance, including such areas as pothole repair, pavement marking, sealing, and re-paving; • Bridge maintenance, including such areas as re-chipping, grinding, and saw cutting; • Cold weather operations, including plowing, sanding, and application of deicing and anti-icing compounds and maintenance of snow disposal areas; and • Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation.
6-36	All Departments & Stormwater	Identify pollutants of concern as described in Part IV.D.6.(b)(5)b.	Identify pollutants of concern that could be discharged from all of the O&M activities described in Part IV.D.6.(b)(5)b and maintain a list of 100% of the pollutants identified. Examples: metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash. Review and update the pollutants of concern list **at least one time annually** to address changes or additions to the O&M activities where applicable.
6-37	Public Works	Pollution Prevention Measures as described in Part IV.D.6.(b)(5)c.	Develop and implement a set of pollution prevention measures that will reduce the discharge of pollutants in stormwater from the permittee-owned operations. **Implement at least two of the following pollution prevention measures:** • Track 100% of the application of deicing and anti-icing compounds in the MS4 area and record the amount of compound used for each application **annually;**

			• Place barriers around or conduct runoff away from 100% of deicing chemical storage areas to prevent discharge into surface waters **each year**.
6-38	Stormwater & Public Works	Inspection of Pollution Prevention Measures as described in Part IV.D.6.(b)(5)d.	**At least one time annually**, visually inspect 100% of pollution prevention measures implemented at permittee-owned facilities to ensure they are working properly. Develop and maintain written procedures that describe the frequency of inspections and how they will be conducted. Review and update the inspection procedures **at least once annually** to address changes or additions to the pollution prevention measures. Maintain a log of 100% of the inspections conducted annually and make the log available for review by the TCEQ within 24 hours of a request.
6-39	Public Works & Drainage	Structural Control Maintenance as described by Part IV.D.6.(b)(6).	**At least once annually,** perform maintenance of 100% of the structural controls that require maintenance. Maintenance must follow a plan and schedule developed by the small MS4 operator to be consistent with maintaining the effectiveness of the BMP. The permittee shall develop and maintain written procedures that define the frequency of inspections and how they will be conducted. Review and update the maintenance procedures **at least one time annually** to address changes or additions to the pollution prevention measures.
6-40	Stormwater, Public Works & Drainage	Storm Sewer System Operation and Maintenance Program as described by Part IV.D.6.(c)(1)a.	Develop and implement an O&M program to reduce to the MEP the collection of pollutants in catch basins and other surface drainage structures **each year**. **Implement the following:** • Inspect at least 25% of the small MS4-owned and operated detention basins each year. • Inspect and clean at least 20% of the small

			MS4-owned and operated surface drainage system in problem areas identified by the small MS4 operator (for example, areas with recurrent illegal dumping) each year.
6-41	Stormwater, Public Works & Drainage	Storm Sewer System Operation and Maintenance Problem Areas as described by Part IV.D.6.(c)(1)b.	Develop a list of 100% of the identified potential problem areas. Identify and prioritize problem areas for increased inspection (for example, areas with recurrent illegal dumping). Review and update the list of potential problem areas **at least one time annually** to address changes or additions to the list.
6-42	Public Works & Parks	Operation and Maintenance Program to Reduce Discharges of Pollutants from Roads as described by Part IV.D.6.(c)(2).	**Implement the following:** • A street sweeping and cleaning program to address 75% of the MS4 area where street sweeping is technically feasible annually. • Ensure 100% of the MS4 area where street sweeping is technically feasible is addressed at least two times by the end of the permit term. **Implement the following non-street sweeping controls – Parks Dept BMP:** • Ensure that trash receptacles, or similar trash capturing devices are provided and maintained in 100% of the areas identified as high trash generating areas within the areas where street sweeping is technically infeasible (such as areas near parks, event spaces, etc.).
6-43	Stormwater & GIS	Mapping of Facilities as described by Part IV.D.6.(c)(3).	On a map of the area regulated under this general permit, identify where 100% of the permittee-owned and operated facilities and stormwater controls are located. Review and update the map **at least one time annually** to address changes or additions to the facilities and controls.
6-44	Stormwater	Assessment of Facilities' Pollutant Discharge Potential as described by Part IV.D.6.(c)(4)a.	Review 100% of the facilities identified in Part IV.D.6.(b) at least one time per permit term for their potential to discharge pollutants into stormwater.
6-45	Stormwater	Identification of high-priority facilities as described by Part IV.D.6.(c)(4)b.	Based on the assessment in Part IV.D.6.(c)(4)a., the permittee shall identify as high priority those facilities that have a high potential to generate stormwater pollutants. A list of 100% of the identified facilities must be developed and maintained **each year**.

			Review and update the list of high priority facilities at least **one time annually** to address changes or additions to the facilities.
6-46	Stormwater	Documentation of Assessment Results as described by Part IV.D.6.(c)(4)c.	Document the results of all the assessments and maintain copies of 100% of the site evaluation checklists used to conduct the assessments **each year**. The documentation must include: • The results of the permittee's initial assessment, and any identified deficiencies and corrective actions taken.
6-47	Stormwater	Development of Facility- Specific SOPs as described by Part IV.D.6.(c)(5).	Develop facility-specific stormwater management SOPs for 100% of the MS4 owned and operated facilities. A description of 100% of the BMPs developed to comply with Part IV.D.6.(c)(6) must be included in each facility-specific SOP. Review and update the facility-specific SOPs **at least one-time annually** to address changes or additions to the facilities. If requested, SOPs must be made available to TCEQ within 24 hours of the request for review.
6-48	Public Works, Water Utilities & Parks	Stormwater Controls for High Priority Facilities, General Good Housekeeping as described by Part IV.D.6.(c)(6)a.	Shelter from exposure to stormwater 100% of material with a potential to contribute to stormwater pollution (such as, fertilizers, solvents, paints, cleaners, automotive products, etc.) **each year**.
6-49	Public Works	Stormwater Controls for High Priority Facilities, De-icing and anti-icing material storage as described by Part IV.D.6.(c)(6)b.	Ensure that 100% of stormwater runoff from storage piles of salt and other de-icing and anti-icing materials is not discharged **each year**.
6-50	Public Works	Stormwater Controls for High Priority Facilities, Fueling and vehicle maintenance as described by Part IV.D.6.(c)(6)c.	Develop and implement SOPs that address spill prevention and spill control at 100% of permittee-owned and operated vehicle fueling, vehicle maintenance, and bulk fuel delivery facilities **each year**. Review and update the facility-specific SOPs **at least one time annually** to address changes or additions to the facilities.
6-51	Public Works & Water Utilities	Stormwater Controls for High Priority Facilities, Equipment and vehicle washing as described by Part	Develop and implement SOPs that address equipment and vehicle washing activities at 100% of the permittee-owned and operated

		IV.D.6.(c)(6)d.	facilities where washing occurs. To ensure that wastewater is not discharged under this general permit, the permittee's SOP must include one or more of the following: • installing a vehicle wash reclaim system, • capturing and hauling the wastewater for proper disposal, • connecting to sanitary sewer (where applicable and approved by local authorities), • ceasing the washing activity, or • applying for and obtaining a separate TPDES permit. Review and update the facility-specific SOPs **at least one time annually** to address changes or additions to the facilities.
6-52	Stormwater	Inspections as described by Part IV.D.6.(c)(7).	Develop and implement an inspection program, which at a minimum must include inspections of 100% of high-priority permittee-owned facilities **one time per year.** The results of 100% of the inspections and observations must be documented and available for review by the TCEQ each year.

Section B. Discharges Directly to Water Quality Impaired Water Bodies Without an Approved TMDL

Part III, Section B

The permittee shall also determine whether the permitted discharge is directly to one or more water quality impaired water bodies where a TMDL has not yet been approved by TCEQ and EPA. If the permittee discharges directly into an impaired water body without an approved TMDL, the permittee shall perform the following activities:

1. **Discharging a Pollutant of Concern**
   (a) The permittee shall determine whether the small MS4 may be a source of the POCs by referring to the CWA § 303(d) List and then determining if discharges from the MS4 would be likely to contain the POCs at levels of concern.
   (b) If the permittee determines that the small MS4 may discharge the POCs, the permittee shall ensure that the SWMP includes focused BMPs, along with corresponding measurable goals, that the permittee will implement, to reduce, the discharge of POCs that contribute to the impairment of the water body.
   (c) In addition, the permittee shall submit an NOC to amend the SWMP in accordance with Part II.F.6 to include any additional BMPs to address the POCs. This requirement does not apply to BMPs implemented to address impaired waters that are listed after a small MS4's permit authorization pursuant to Part III.
2. **Impairment for Bacteria**
   Where the impairment is for bacteria, the permittee shall identify potential significant sources and develop and implement focused BMPs for those sources. The permittee must implement the BMPs listed in Part III.A.5 and Table 1 for the identified sources.
   The BMPs shall, as appropriate, address the following including Table 1.:
   (a) Sanitary Sewer Systems
      (1) Make improvements to sanitary sewers to reduce overflows;
      (2) Address lift station inadequacies;
      (3) Improve reporting of overflows; and

(4) Strengthen sanitary sewer use requirements to reduce blockage from fats, oils, and grease.

(b) On-site Sewage Facilities (for entities with appropriate jurisdiction)

(1) Identify and address failing systems; and

(2) Address inadequate maintenance of on-site sewage facilities (OSSFs) (i.e., septic systems).

(c) Illicit Discharges and Dumping

Place additional effort to reduce waste sources of bacteria, for example, from OSSFs, grease traps, and grit traps.

(d) Animal Sources

Expand existing management programs to identify and target animal sources such as zoos, pet waste, and horse stables.

(e) Residential Education

Increase focus to educate residents on:

(1) Bacteria discharging from a residential site either during runoff events or directly;

(2) Fats, oils, and grease clogging sanitary sewer lines and resulting overflows;

(3) Maintenance and operation of decorative ponds; and

(4) Proper disposal of pet waste.

3. Annual Report

The annual report must include information on compliance with the Discharges Directly to Water Quality Impaired Water Bodies Without an Approved TMDL section, including results of any sampling conducted by the permittee.

Compliance Due Dates	
Measurable Goals Required Annually	BMPs will be met by December 31st each permit year 1-5
Measurable Goals Required Once During Permit Term	BMPs will be met by December 31, 2029

Alternative Equivalent BMPs for Bacteria Impaired Water Bodies

BMP No	Responsible Department	Activity/BMP	Measurable Goal
53	Water Utilities	Sanitary Sewer Systems as described by Part III.A.5.(a).	Conduct a review of 100% of the sanitary sewer system in the MS4 area within the impairment watershed to identify areas for improvement **within the first two years of the permit term**. Initiate all feasible improvement projects by the end of the permit term. Conduct **weekly lift station inspections** at 100% of the MS4-owned and operated lift stations in the MS4 area within the impairment watershed **each year**. Investigate and address 100% of sanitary sewer overflow complaints identified through the public reporting mechanism implemented by the MS4 each year. Strengthen sanitary sewer use requirements to reduce blockage from fats, oils, and grease by reviewing and updating ordinances or other regulatory mechanisms and inspection programs at least one time annually.
54	Stormwater	On Site Sewage Facilities (OSSFs) as described by Part III.A.5.(b).	Develop and implement procedures to screen 20% of the MS4 area within the impairment watershed annually to identify failing OSSFs. • **Maintain an inventory of 100% of the identified OSSFs and their status each year.** • Review and update this inventory **at least one time each year** to address changes or additions. • Address 100% of failing OSSFs **each year** by requiring the responsible party to perform all necessary corrective actions

			to eliminate the illicit discharge. Investigate and address 100% of OSSF complaints identified through the public reporting mechanism implemented by the MS4 **each year**.
55	Pretreatment	Illicit Discharges and Dumping as described by Part III.A.5.(c).	Ensure 100% of procedures and ordinances or other regulatory mechanisms established for BMPs in MCM 3: Illicit Discharge Detection and Elimination address discharges that may contribute bacteria including from OSSFs, grease traps, and grit traps.
56	Parks	Animal Sources as described by Part III.A.5.(d).	Provide and maintain at least one pet waste station in 100% of public parks or similar greenspaces in the MS4 area within the impairment watershed **each year**.
57	Communications	Residential Education as described by Part III.A.5.(e).	Ensure at least one additional BMPs is implemented for MCM 1: Public Education and Outreach which will focus on: • Proper disposal of pet waste.

APPENDICES

Appendix A - Notice of Intent (NOI) and General Permit Authorization

Appendix B - Notice of Changes (NOCs) & Records of Updates/Changes

Appendix C - TCEQ MS4 Permit Correspondence