

City of Round Rock

Stormwater Management Program

2025 – 2029



TXR040253



Introduction.....	5
Overview	5
Edwards Aquifer Recharge Zone.....	6
Endangered Species	7
Legal Authority	7
TMDL and Impaired Waterways	8
Brushy Creek – Bacteria Impairment	9
BC.1: Sanitary Sewer Systems.....	9
BC.2: On Site Sewage Facilities.....	12
BC.3: Illicit Discharges and Dumping.....	13
BC.4: Animal Sources	14
BC.5: Cease the Grease	15
Gilleland Creek – TMDL and I-Plan	16
Annual Reporting and Adaptive Management	17
MCM 1: Public Education and Outreach.....	18
1.1: MS4 Website	18
1.2: Inlet Markers.....	19
1.3: Homeowner’s Associations HHW Training Events.....	20
1.4: Educational Door Hangers.....	21
1.5: Pet Waste Education Campaign	22
1.6: Brush Recycling and Mulch Program.....	23
1.7: Educational Fact Sheet – Automotive Pollutants.....	24
MCM 2: Public Involvement/Participation	25
2.1: Watershed Cleanup Events	25
2.2: MS4 Feedback Survey	26
2.3: Homeowner’s Associations Public Feedback Meeting	27
2.4: Environmental Event Participation	28
2.5: Public Educational Booths	29
MCM 3: Illicit Discharge Detection and Elimination.....	30
3.1: MS4 Mapping	30
3.2: IDDE – Staff Training.....	32
3.3: Illicit Discharge Reporting Hotline	33
3.4: Inspections in Response to Complaints	34
3.5: IDDE Procedures.....	35
3.6: Illicit Discharge Investigations.....	36

3.7: Illicit Discharge Corrective Action	37
3.8: Illicit Discharge Inspections Review	38
3.9: Follow-up Investigations	39
3.10: Priority Area Review	40
3.11: Gilleland Sewer Leak Detection	41
3.12: Edwards Aquifer Recharge Zone Leak Detection	42
3.13: Dry Weather Field Screening	43
3.14: Floatable Reduction Protocols	44
MCM 4: Construction Site Stormwater Runoff Control	45
4.1: Construction Site Stormwater Ordinance Review	45
4.2: Construction Site Plan Review	46
4.3: Construction Site Inventory	47
4.4: Construction Site Inspection Review	48
4.5: Construction Site Inspections	49
4.6: Construction Site Compliance Hotline	50
4.7: Staff Training	51
MCM 5: Post Construction Stormwater Management in New and Redevelopment.....	52
5.1: Post-Construction Ordinance Review	52
5.2: Enforcement Recordation	53
5.3: Permanent BMP O&M – Permittee Owned	54
5.4: Permanent BMP O&M – Privately Owned.....	55
5.5: Post Construction Site Inspections	56
5.6: Inspection Report Registry	57
MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations.....	58
6.1: Permittee-owned Facility Inventory	58
6.2: Permittee-owned Facility Map.....	59
6.3: Staff Training	60
6.4: Disposal of Waste Material	61
6.5: Contractor Requirements and Oversight.....	62
6.6: Operations and Maintenance Review	63
6.7: Identification of Pollutants of Concern.....	64
6.8: Pollution Prevention Measures	65
6.9: Inspection of Pollution Prevention Measures	66
6.10: Structural Control Maintenance	67
6.11: Storm Sewer System O&M Program	68

6.12: Storm Sewer System O&M Problem Areas.....	69
6.13: Street Sweeping	70
6.14: Assessment of Facilities’ Pollutant Discharge Potential	71
6.15: Documentation of Site Assessment Results	72
6.16: Identification of High Priority Facilities	73
6.17: Facility-Specific Procedures.....	74
6.18: Stormwater Controls for High Priority Facilities	75
6.19: Controls for High Priority Facilities – De-icing	76
6.20: Controls for High Priority Facilities – Vehicles.....	77
6.21: Controls for High Priority Facilities – Washing	78
6.22: High Priority Facility Inspections	79
6.23: Pesticide, Herbicide, and Fertilizer Management	80
6.24: Landscape Maintenance.....	81
6.25: Non-chemical Solutions	82
6.26: Chemical Application Schedules.....	83
6.27: Pesticide, Herbicide, and Fertilizer Disposal	84
6.28: Evaluation of Flood Control Projects.....	85
MCM 7: Industrial Stormwater Sources.....	86
7.1: Industrial Facility Review and Inventory	86
7.2: Industrial Facility Inspection Program	87
7.3: Industrial Facility SOPs.....	88
Acronyms	89

Introduction

Overview

The City of Round Rock's stormwater division, in collaboration with staff from multiple City departments, has developed this Stormwater Management Program (SWMP). This program outlines a comprehensive plan to manage the quality of discharges from the Municipal Separate Storm Sewer System (MS4) and aims to protect and enhance water quality in our creeks and waterways.

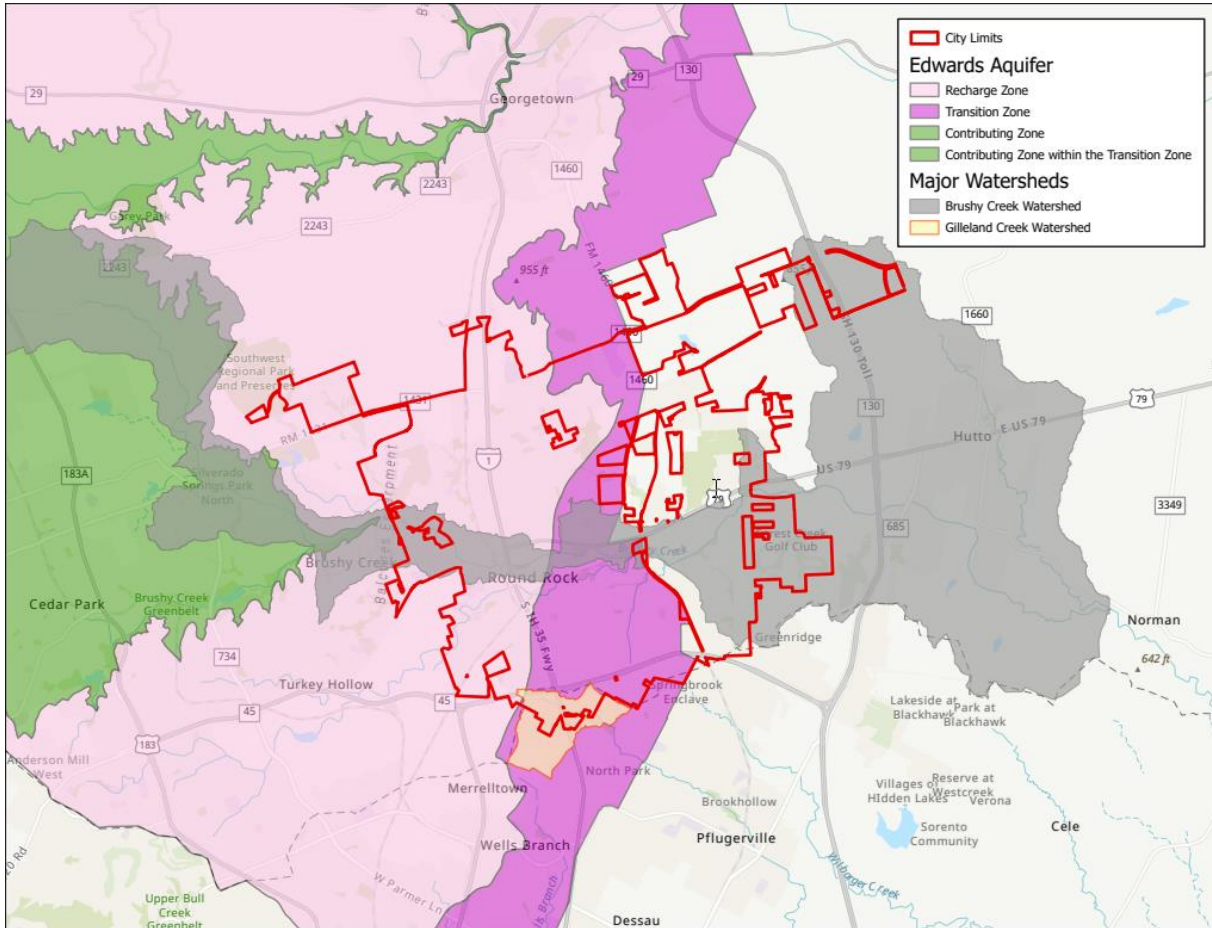
In accordance with the Texas Pollutant Discharge Elimination System (TPDES), the City is required to obtain permit coverage from the Texas Commission on Environmental Quality (TCEQ) for discharges from its MS4. This SWMP details seven Minimum Control Measures (MCMs) and Best Management Practices (BMPs) that the City will implement over a five-year period. The City will build upon existing efforts to safeguard the environment and water quality while adding new BMPs. These BMPs were selected based on TCEQ's general permit requirements, their effectiveness, relevance to the City's needs, and implementation costs.

The SWMP incorporates many recommendations from the U.S. Environmental Protection Agency's (EPA) MS4 Permit Improvement Guide, particularly where these align with the City's community goals. The Guide stresses the importance of an educational program to help the public better understand stormwater management, which is expected to lead to greater support for the SWMP and improved compliance with regulations. The City's SWMP focuses on public education and proactive BMPs to encourage voluntary compliance, thus minimizing need for enforcement actions.

The MS4 Permit Improvement Guide also suggests public education efforts should be tailored to address specific water quality issues within the community. In alignment with this advice, the SWMP prioritizes three key concerns: bacteria, floatables, and fertilizers. These focus areas were chosen based on the community's profile, with attention to sensitive areas, current water quality conditions, and associated challenges.

Edwards Aquifer Recharge Zone

The City is located approximately 20 miles north of Austin primarily within Williamson County with a small area in Travis County to the south along Interstate Highway 35. The overwhelming majority of the City (98%) drains to classified segments of Brushy Creek in the Brazos River Basin. The remainder of the City (2%) drains to Gilleland Creek in the Colorado River Basin.



Often referred to as the Central Texas hill country, the City straddles both sides of the Balcones Escarpment and the abutting Balcones Fault Zone. Areas east of the escarpment are generally characterized as having black, fertile soils of the Blackland Prairie; while areas west of the escarpment generally consist of hilly, karst-like terrain with little topsoil. The western portion of the City is over the Edwards Aquifer Recharge Zone (EARZ) which is composed of karstic groundwater reservoirs.

The EARZ is an environmentally sensitive area that is regulated by the TCEQ according to the Edwards Aquifer Rule (EAR). The Rule and its requirements are in addition to the requirements of the MS4 General Permit. In compliance with the Rule, the City files Water Pollution Abatement Plans (WPAPs) for TCEQ approval and implements those WPAPs as directed. The City installs and maintains permanent structural and non-structural BMPs to meet the Rule requirements for reduction of suspended solids. Additionally, the City selected targeted BMPs within the SWMP to ensure protection of both surface and subsurface waters.

Endangered Species

The City of Round Rock acknowledges the presence of the endangered species listed below both within the Brazos River Basin and Williamson County. Any discharges that would adversely affect the listed endangered species are not authorized by the MS4 Permit. If any adverse impact on these species is detected, the City of Round Rock will coordinate with TCEQ to take corrective action and make necessary modifications to the City’s MS4 Permit.

Species	Waterbody and County Containing Species
Coffin Cave mold beetle (<i>Batrisodes texanus</i>)	Brazos River Basin Williamson County
Tooth Cave ground beetle (<i>Rhadine persephone</i>)	
Bone Cave harvestman (<i>Texella reyesi</i>)	
Bee Creek Cave harvestman (<i>Texella reddelli</i>)	
Navasota Ladies'-Tresses (<i>Spiranthes parksii</i>)	

Legal Authority

The City regulates stormwater discharges from all development and redevelopment projects. To minimize erosion impacts and protect water quality, the City regulates the flow rate of smaller more frequent storms (2-year) and the discharge and in-stream velocities. For flood protection, the City requires projects to detain flows from larger storms (10 and 25-year) to pre-developed rates; regulations do allow for limited participation in a regional detention ‘fee-in-lieu’ program. Program participation requests must be supported by an engineering analysis that demonstrates and certifies to “no identifiable adverse impacts”. Additionally, the City protects its most sensitive streams and watersheds by supporting the TCEQ in its implementation and enforcement of the Edwards Aquifer Rule which requires installation of permanent structural and non-structural BMPs on projects. During the permit term, the City will amend regulations as necessary for compliance with the updated permit.

TMDL and Impaired Waterways

Introduction

Section 303(d) of the federal Clean Water Act requires States to identify waters that do not meet, or are not expected to meet, applicable water quality standards. For Texas, the standards for water quality are defined in the Texas Water Quality Standards (Chapter 307 of the Texas Administrative Code). TCEQ publishes a list of impaired waterways every two years; the list identifies which stream segments are impaired and identifies the pollutant of concern (POC). TCEQ coordinates Total Maximum Daily Loads (TMDLs) for impaired surface waters. Approval of the TMDL is followed by the development of an Implementation Plan (I-Plan) that includes control measures to reduce the POC.

The 2024 Phase II MS4 General Permit requires targeted BMPs when an MS4 drains to an impaired waterway. For bacteria impairment, the permit gives specific direction regarding those BMPs. Specifically, page 27 of the permit requires “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.” Like most Texas water bodies, the classified segments that the City discharges to are impaired for bacteria.

Bacteria Impairment – Perspective

In 2000, Texas adopted new bacteria criteria in the Surface Water Quality Standards for primary contact recreation use based on criteria developed by the US EPA in 1986 using epidemiological studies at public swimming beaches in lakes and on the coast. These criteria were designed to be protective of the swimming use, as part of a national effort to make our waters “fishable and swimmable”.

According to the 2010 Water Quality Assessment, approximately 300 water bodies were identified by the TCEQ as failing to support primary contact recreation because of high bacteria levels; however, much of the data indicating impairment was collected during high-flows when swimming is not safe and many of the water bodies listed either do not or cannot support primary contact recreation. Consequently, there is little confidence that the list indicates actual water quality impairments in need of corrective action.

The Draft 2010 Texas Surface Water Quality Standards included a proposal to raise the *E.coli* geometric mean criteria from 126 colonies/100ml to 206 colonies/100ml for primary contact recreation. Although the EPA was willing to approve 206 colonies, ultimately the TCEQ choose to retain the geometric mean criteria at 126. If the criteria are revised in the future, there is a strong likelihood that Brushy Creek segments 1244_03 and 1244_04 would no longer be considered impaired and would be removed from the 303(d) list.

Brushy Creek – Bacteria Impairment

The overwhelming majority of the City (98%) drains to Segments 1244_03 and 1244_04 in Brushy Creek which are impaired for bacteria. TCEQ first identified the impairment for Brushy Creek in the 2006 Texas Water Quality Inventory and 303(d) List. Data the TCEQ analyzed from the assessment period from 1999-2004 showed slightly higher concentrations of *E.coli* and fecal coliform bacteria. Since 2004, *E.coli* bacteria levels in Brushy Creek have remained relatively stable (under 206 colonies/100ml) despite the City’s rapid urbanization.

BC.1: Sanitary Sewer Systems

Summary:

Sanitary sewer overflows are rare, but when they do occur, they can be a significant source of *E.coli* bacteria. Aging infrastructure in need of repair can also contribute to bacterial contamination. The City regularly inspects and repairs the sanitary sewer system in sensitive areas, particularly those over the Edwards Aquifer. Other parts of the City are inspected and repaired as needed to maintain the system's integrity.

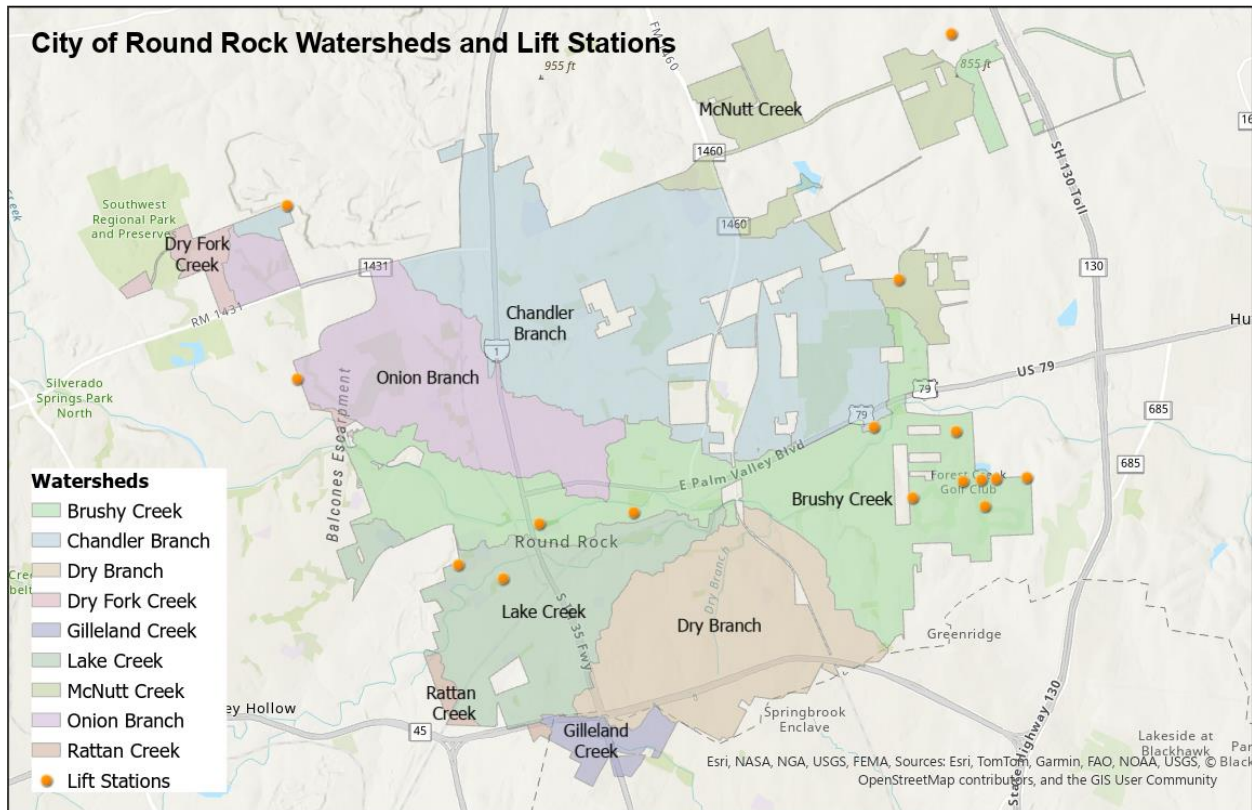
From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Sanitary Sewer Systems as described by Part III.A.5.(a).	<p>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.</p> <p>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.</p> <p>Investigate and address 100% of sanitary sewer overflow complaints identified through the public reporting mechanism implemented by the MS4 each year.</p> <p>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.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Review City’s sanitary sewer system.	Continue ongoing sanitary sewer camera program, completing 3 sub-basins in the EARZ and 1 sub-basin outside the EARZ annually.	Dec 2025
2	Review City’s sanitary sewer system.		Dec 2026
3	Implement feasible improvement projects based on system review.	Make improvements to sanitary sewer system.	Dec 2027
4	Implement feasible improvement projects based on system review.	Make improvements to sanitary sewer system.	Dec 2028
5	Implement feasible improvement projects based on system review.	Have initiated or completed 100% of feasible improvement projects begun because of review process.	Dec 2029

BC.1: Sanitary Sewer Systems (continued)



Permit Year	Activity	Measurable Goal	Due Date
1	Weekly lift station inspections.	Perform weekly inspections of 100% of city-owned lift stations within Brushy Creek watershed.	Dec 2025
2	Weekly lift station inspections.	Perform weekly inspections of 100% of city-owned lift stations within Brushy Creek watershed.	Dec 2026
3	Weekly lift station inspections.	Perform weekly inspections of 100% of city-owned lift stations within Brushy Creek watershed.	Dec 2027
4	Weekly lift station inspections.	Perform weekly inspections of 100% of city-owned lift stations within Brushy Creek watershed.	Dec 2028
5	Weekly lift station inspections.	Perform weekly inspections of 100% of city-owned lift stations within Brushy Creek watershed.	Dec 2029

BC.1: Sanitary Sewer Systems (continued)

Permit Year	Activity	Measurable Goal	Due Date
1	Sanitary sewer complaint investigations and response.	Resolve 100% of sewer overflow complaints received via MS4 hotline.	Dec 2025
2	Sanitary sewer complaint investigations and response.	Resolve 100% of sewer overflow complaints received via MS4 hotline.	Dec 2026
3	Sanitary sewer complaint investigations and response.	Resolve 100% of sewer overflow complaints received via MS4 hotline.	Dec 2027
4	Sanitary sewer complaint investigations and response.	Resolve 100% of sewer overflow complaints received via MS4 hotline.	Dec 2028
5	Sanitary sewer complaint investigations and response.	Resolve 100% of sewer overflow complaints received via MS4 hotline.	Dec 2029

Permit Year	Activity	Measurable Goal	Due Date
1	Sanitary sewer ordinance and inspection procedures review.	Review ordinance and sanitary sewer inspection procedures once annually.	Dec 2025
2	Sanitary sewer ordinance and inspection procedures review.	Review ordinance and sanitary sewer inspection procedures once annually.	Dec 2026
3	Sanitary sewer ordinance and inspection procedures review.	Review ordinance and sanitary sewer inspection procedures once annually.	Dec 2027
4	Sanitary sewer ordinance and inspection procedures review.	Review ordinance and sanitary sewer inspection procedures once annually.	Dec 2028
5	Sanitary sewer ordinance and inspection procedures review.	Review ordinance and sanitary sewer inspection procedures once annually.	Dec 2029

BC.2: On Site Sewage Facilities

Summary:

On-Site Sewage Facilities (OSSFs) can be potential sources of *E.coli* bacteria. There are very few OSSFs within the City because population growth primarily began in the mid-1970s, and new users are required to connect to the City’s wastewater collection system. The Williamson County and Cities Health District (WCCHD) is the designated agent of the TCEQ overseeing OSSFs in our area. The City’s role in monitoring these facilities is limited to enforcement of the Illicit Discharge ordinance. In the event the City receives a complaint or observes a problem with an OSSF, staff will coordinate with the WCCHD.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
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. <ul style="list-style-type: none"> • Maintain an inventory of 100% of the identified OSSFs and their status each year. <ul style="list-style-type: none"> ○ 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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	Screen OSSFs and document findings.	Coordinate with WCCHD to resolve 100% of identified failing OSSFs each year. Maintain and update list annually.	Dec 2025
2	Screen OSSFs and document findings.	Coordinate with WCCHD to resolve 100% of identified failing OSSFs each year. Maintain and update list annually.	Dec 2026
3	Screen OSSFs and document findings.	Coordinate with WCCHD to resolve 100% of identified failing OSSFs each year. Maintain and update list annually.	Dec 2027
4	Screen OSSFs and document findings.	Coordinate with WCCHD to resolve 100% of identified failing OSSFs each year. Maintain and update list annually.	Dec 2028
5	Screen OSSFs and document findings.	Coordinate with WCCHD to resolve 100% of identified failing OSSFs each year. Maintain and update list annually.	Dec 2029

BC.3: Illicit Discharges and Dumping

Summary:

The BMPs outlined in MCM 3: Illicit Discharge Detection and Elimination address all types of illicit discharges, including those that could introduce bacteria into the MS4, among other pollutants.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Ensure MCM 3 BMPs target sources of bacterial impairment.	Aim to eliminate sources of bacteria in 100% of MCM 3 BMPs where feasible.	Dec 2025
2	Ensure MCM 3 BMPs target sources of bacterial impairment.	Aim to eliminate sources of bacteria in 100% of MCM 3 BMPs where feasible.	Dec 2026
3	Ensure MCM 3 BMPs target sources of bacterial impairment.	Aim to eliminate sources of bacteria in 100% of MCM 3 BMPs where feasible.	Dec 2027
4	Ensure MCM 3 BMPs target sources of bacterial impairment.	Aim to eliminate sources of bacteria in 100% of MCM 3 BMPs where feasible.	Dec 2028
5	Ensure MCM 3 BMPs target sources of bacterial impairment.	Aim to eliminate sources of bacteria in 100% of MCM 3 BMPs where feasible.	Dec 2029

BC.4: Animal Sources

Summary:

Animals may be potential sources of *E.coli* bacteria. From March to November each year, Mexican free-tailed bats roost under the TxDOT operated IH-35 bridge at McNeil Road. Other local species include feral hogs, ducks, opossums, raccoons, turtles, and more. While there are no zoos in the City and minimal agricultural activity, household pets are common in urban areas. To manage pet waste, pet waste stations are provided in all city-owned greenspaces.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Animal Sources as described by Part III.A.5.(d).	Implement at least one of the following: <ul style="list-style-type: none"> • 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. • Assess and address, if feasible, 100% of complaints received about feral hogs in the MS4 area within the impairment watershed each year. If infeasible to address the complaint, maintain documentation of the reason. Prohibit the feeding of ducks and geese in 100% of public parks or similar greenspaces the MS4 area within the impairment watershed each year. • Develop and distribute educational materials related to animal sources of bacteria to 75% of the intended audiences identified by the MS4 in MCM 1: Public Education and Outreach each year. Develop and implement a tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Maintain pet waste stations in all public parks and greenspaces.	Provide and maintain at least one pet waste station in 100% of public greenspaces in the MS4 area within the impairment watershed each year.	Dec 2025
2	Maintain pet waste stations in all public parks and greenspaces.	Provide and maintain at least one pet waste station in 100% of public greenspaces in the MS4 area within the impairment watershed each year.	Dec 2026
3	Maintain pet waste stations in all public parks and greenspaces.	Provide and maintain at least one pet waste station in 100% of public greenspaces in the MS4 area within the impairment watershed each year.	Dec 2027
4	Maintain pet waste stations in all public parks and greenspaces.	Provide and maintain at least one pet waste station in 100% of public greenspaces in the MS4 area within the impairment watershed each year.	Dec 2028
5	Maintain pet waste stations in all public parks and greenspaces.	Provide and maintain at least one pet waste station in 100% of public greenspaces in the MS4 area within the impairment watershed each year.	Dec 2029

BC.5: Cease the Grease

Summary:

A public education and outreach campaign developed to reduce bacteria loading from sanitary overflows. By educating customers on proper disposal of fats, oils, and grease, the campaign aims to encourage behavioral changes and prevent sewer backups. Educational materials are provided to businesses where excessive grease is detected in their wastewater.

From TPDES 2024 TXR040000 General Permit:

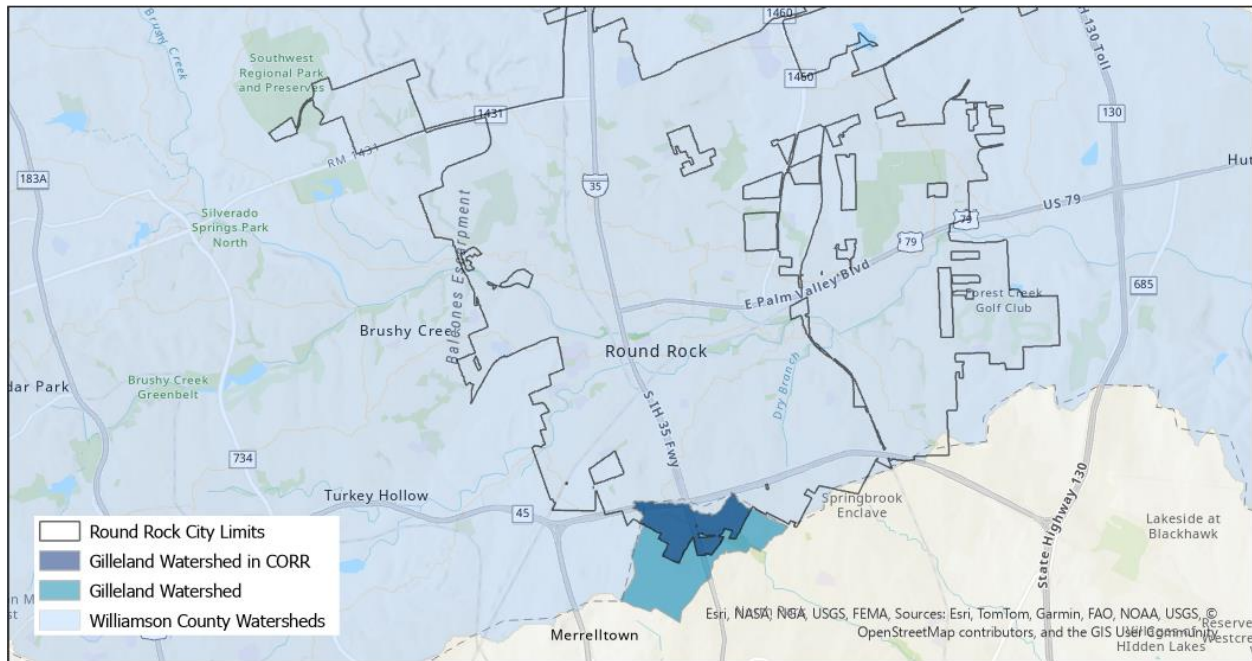
Activity/BMP	Measurable Goal
Residential Education as described by Part III.A.5.(e).	<p>Implement at least one additional BMP from MCM 1: Public Education and Outreach and Table 4 annually (e.g., a Level 1 small MS4 operator must implement at least four total BMPs under MCM 1 each year in the permit cycle instead of the three BMPs required by Part IV.D.1.(a)3.b).</p> <p>In addition, ensure at least one of the BMPs implemented for MCM 1: Public Education and Outreach focuses on at least one of the following:</p> <ul style="list-style-type: none"> • Bacteria discharging from a residential site either during runoff events or directly; • Fats, oils, and grease clogging sanitary sewer lines and resulting overflows; • Identifying and reporting illicit discharges or illegal dumping; • Maintenance and operation of decorative ponds; and • Proper disposal of pet waste.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Educate businesses failing to comply with regulatory standards for grease levels in produced wastewater.	Distribute educational material to 100% of businesses incurring a surcharge for grease in their wastewater.	Dec 2025
2	Educate businesses failing to comply with regulatory standards for grease levels in produced wastewater.	Distribute educational material to 100% of businesses incurring a surcharge for grease in their wastewater.	Dec 2026
3	Educate businesses failing to comply with regulatory standards for grease levels in produced wastewater.	Distribute educational material to 100% of businesses incurring a surcharge for grease in their wastewater.	Dec 2027
4	Educate businesses failing to comply with regulatory standards for grease levels in produced wastewater.	Distribute educational material to 100% of businesses incurring a surcharge for grease in their wastewater.	Dec 2028
5	Educate businesses failing to comply with regulatory standards for grease levels in produced wastewater.	Distribute educational material to 100% of businesses incurring a surcharge for grease in their wastewater.	Dec 2029

Gilleland Creek – TMDL and I-Plan

Less than 2% of the City (the southernmost portion located in Travis County) drains to Gilleland Creek Segment 1428C. The TCEQ first identified the Gilleland Creek impairment for primary contact recreation use in the 2004 Texas Water Quality Inventory and 303(d) List. Data the TCEQ analyzed from the assessment period of March 1, 1998 through February 28, 2003 showed high concentrations of *E.coli* and fecal coliform bacteria.



Since then, a TMDL and I-Plan were approved. Only point sources were allotted an individual waste load allocation (WLA) in the I-Plan; thus, the City is part of an aggregate WLA. The small drainage area in Round Rock that drains to the Gilleland watershed is above the headwaters. The City will utilize monitoring data from the LCRA for the SWMP annual reports. The City will continue to be a participant in the I-Plan as required by the TPDES General Permit.

Sanitary Sewer Systems

Overflows from sanitary collection systems are infrequent, but when they occur, they can be a significant source of *E.coli* bacteria. Aging infrastructure in need of repair can also contribute to bacteria loadings. Although not a component of the I-Plan, the City will proactively inspect and make any necessary repairs to the sanitary sewer in the Gilleland watershed this permit term.

On-Site Sewage Facilities

On-Site Sewage Facilities (OSSFs) can be potential sources of *E.coli* bacteria. There are very few OSSFs within the City because population growth primarily began in the mid-1970s, and new users are required to connect to the City's wastewater collection system. The Transportation and Natural Resources department of Travis County and the City of Austin are the designated agents of the TCEQ overseeing OSSFs in the Gilleland Creek Watershed. As part of the I-Plan, Travis County has held several workshops to educate owners on the proper

Gilleland Creek TMDL and I-Plan (cont.)

On-Site Sewage Facilities (cont.)

maintenance and inspection of OSSFs. The City's role in monitoring these facilities is limited to enforcement of the Illicit Discharge ordinance. In the event the City receives a complaint or observes a problem with an OSSF, staff will coordinate with Travis County.

Illicit Discharges and Dumping

The public can be our greatest ally in preventing illicit discharges, including sanitary sewer overflows, which can contribute to increased bacteria levels in the City's waterways. Educating the public on proper disposal of fats, oils, and grease (FOG) can reduce potential for overflows. Providing a financial incentive to businesses can assist in amending long-held company policies.

Animal Sources

Animals are potential sources of *E.coli* bacteria. From March through November each year, the City is home to a population of Mexican free-tailed bats who reside under the TxDOT operated IH-35 bridge at McNeil Road. Other species native to the Round Rock area are feral hogs, ducks, opossums, raccoons, turtles, etc. There are no zoos within the City and there is minimal agricultural activity. Household pets are present in numbers consistent with a primarily urban landscape. One of the components of the I-Plan targets pet waste education and reduction.

Annual Reporting and Adaptive Management

This Stormwater Management Program includes measurable goals which assist in evaluating progress toward achieving objectives and the appropriateness of selected control measures. The City previously selected the fiscal year (October 1 to September 30) option for annual reporting, but due to updated requirements in the 2024 Phase II General Permit, the city will adopt an annual reporting schedule coinciding with the calendar year.

Each annual report will be due on March 31st.

Comprehensive reporting provides an opportunity to evaluate the program and BMP effectiveness which informs the adaptive management process. Adaptive management is an iterative process that helps reduce uncertainty in natural resource management by incorporating new information into flexible management plans. The foundation of the adaptive management concept is the '*learn by doing*' experimentation process that allows managers to learn more about the complex environmental systems they are charged to protect. Walters (1986) described an approach to the adaptive management process as beginning "with the central tenet that management involves a continual learning process that cannot conveniently be separated into functions like 'research' and 'ongoing regulatory activities', and probably never converges to a state of blissful equilibrium involving full knowledge and optimum productivity".

City staff will continue to adjust, refocus, modify, and replace control measures as necessary to ensure the program is effective and efficiently moving toward the overall goal of protecting and improving water quality.

MCM 1: Public Education and Outreach

General Permit Requirement: Part IV.D.1(a)

The small MS4 operator shall implement a public education and outreach program to distribute educational materials to the community and conduct equivalent outreach about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

1.1: MS4 Website

Summary:

The City maintains a publicly accessible website that provides information on stormwater runoff, illicit discharge reporting, educational resources, and a copy of the latest MS4 permit and Stormwater Management Program.

Target Audience: General Public **Target Pollutants:** HHW, Pet Waste, Illegal Dumping, etc.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Information on the MS4 operator's website.	Maintain a webpage with current, accurate information and working links. <ul style="list-style-type: none"> All links shall be checked, and the page shall be updated as necessary at minimum of once annually. Must be maintained for the full year, each year.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Maintain City of Round Rock Stormwater webpage	Ensure web link viability and update presented information on an annual basis.	Dec 2025
2	Maintain City of Round Rock Stormwater webpage	Ensure web link viability and update presented information on an annual basis.	Dec 2026
3	Maintain City of Round Rock Stormwater webpage	Ensure web link viability and update presented information on an annual basis.	Dec 2027
4	Maintain City of Round Rock Stormwater webpage	Ensure web link viability and update presented information on an annual basis.	Dec 2028
5	Maintain City of Round Rock Stormwater webpage	Ensure web link viability and update presented information on an annual basis.	Dec 2029

1.2: Inlet Markers

Summary:

The City installs inlet markers with “Drains to Creek” to promote citizen’s awareness of the storm drain system. Volunteers can also install inlet markers as service projects involving the community in stormwater activities. In addition, many of the inlet markers feature a QR code that may be scanned to access a website with educational materials about stormwater.

Target Audience: General Public **Target Pollutants:** Lawn Clippings, Illegal Dumping

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Maintain or mark storm drains and inlets with, “No Dumping – Drains to Creek” or a similar message.	<p>Placard, stencil, or paint at least 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.</p> <p>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 the MS4 operator or impairment watersheds within the MS4 area each year.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	Install inlet markers throughout the city and update GIS layer as appropriate.	Install 300 new inlet markers. Inspect 20% of existing markers each year.	Dec 2025
2	Install inlet markers throughout the city and update GIS layer as appropriate.	Install 300 new inlet markers. Inspect 20% of existing markers each year.	Dec 2026
3	Install inlet markers throughout the city and update GIS layer as appropriate.	Install 300 new inlet markers. Inspect 20% of existing markers each year.	Dec 2027
4	Install inlet markers throughout the city and update GIS layer as appropriate.	Install 300 new inlet markers. Inspect 20% of existing markers each year.	Dec 2028
5	Install inlet markers throughout the city and update GIS layer as appropriate.	Install 300 new inlet markers. Inspect 20% of existing markers each year.	Dec 2029

1.3: Homeowner’s Associations HHW Training Events

Summary:

The City will host two events each year to educate local homeowners associations about proper disposal of household hazardous waste such as motor oil, paints, pesticides, batteries, etc.

Target Audience: Homeowner’s Associations **Target Pollutant:** Illegal disposal of HHW

Supporting Department: Community and Neighborhood Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Promote, host, or develop educational meetings, seminar, or trainings.	Hold, host, or promote a minimum of one event for level 1 and 2 MS4s or two events for level 3 and 4 MS4s annually. <ul style="list-style-type: none"> • The events shall address ways attendees can minimize or avoid adverse impacts to stormwater or practices to improve the quality of stormwater runoff. • These events may address different pollutants and audiences.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Host events for homeowner’s associations to educate attendees about HHW disposal.	Host 2 events annually.	Dec 2025
2	Host events for homeowner’s associations to educate attendees about HHW disposal.	Host 2 events annually.	Dec 2026
3	Host events for homeowner’s associations to educate attendees about HHW disposal.	Host 2 events annually.	Dec 2027
4	Host events for homeowner’s associations to educate attendees about HHW disposal.	Host 2 events annually.	Dec 2028
5	Host events for homeowner’s associations to educate attendees about HHW disposal.	Host 2 events annually.	Dec 2029

1.4: Educational Door Hangers

Summary:

The City will distribute educational door hangers in areas where pollutants are found in storm drains

Target Audience: General Public **Target Pollutant:** Varies

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Fact sheets/ brochures/utility bill inserts/door hangers.	<p>Develop material topics that are group specific and address activities or pollutants of concern.</p> <p>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 tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Distribute door hangers in neighborhoods where household waste is found in storm inlets during maintenance.	Distribute at least 750 door hangers each year.	Dec 2025
2	Distribute door hangers in neighborhoods where household waste is found in storm inlets during maintenance.	Distribute at least 750 door hangers each year.	Dec 2026
3	Distribute door hangers in neighborhoods where household waste is found in storm inlets during maintenance.	Distribute at least 750 door hangers each year.	Dec 2027
4	Distribute door hangers in neighborhoods where household waste is found in storm inlets during maintenance.	Distribute at least 750 door hangers each year.	Dec 2028
5	Distribute door hangers in neighborhoods where household waste is found in storm inlets during maintenance.	Distribute at least 750 door hangers each year.	Dec 2029

1.5: Pet Waste Education Campaign

Summary:

Many of the city parks include waterways that drain into Brushy Creek. A public education campaign regarding pet waste will be developed and implemented to reduce any bacteria loading from pet waste. Additionally, pet waste stations will be provided at city parks to encourage proper pet waste disposal.

Target Audience: General Public **Target Pollutant:** Pet Waste

Supporting Department: Parks and Recreation

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Targeted educational campaign via mail, email, or in person.	<p>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.</p> <p>(Examples: Sediment control with small building permit; leaf litter email during street sweeping season; or education brochure to all businesses conducting a certain activity)</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Encourage proper pet waste disposal by providing and maintaining pet waste stations in city parks and alongside city trails.	Service 80% of pet waste stations on a weekly basis.	Dec 2025
2	Encourage proper pet waste disposal by providing and maintaining pet waste stations in city parks and alongside city trails.	Service 80% of pet waste stations on a weekly basis.	Dec 2026
3	Encourage proper pet waste disposal by providing and maintaining pet waste stations in city parks and alongside city trails.	Service 80% of pet waste stations on a weekly basis.	Dec 2027
4	Encourage proper pet waste disposal by providing and maintaining pet waste stations in city parks and alongside city trails.	Service 80% of pet waste stations on a weekly basis.	Dec 2028
5	Encourage proper pet waste disposal by providing and maintaining pet waste stations in city parks and alongside city trails.	Service 80% of pet waste stations on a weekly basis.	Dec 2029

1.6: Brush Recycling and Mulch Program

Summary:

The City’s brush recycling program promotes the proper disposal of tree and shrubbery waste, helping keep these materials out of waterways where they may cause blockages. The collected brush is recycled into mulch, which is offered to residents at no cost for use in landscaping. In turn, this helps reduce erosion and improve water infiltration.

Target Audience: General Public **Target Pollutant:** Tree and shrubbery waste

Supporting Departments: Parks and Recreation

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Targeted educational campaign via mail, email, or in person.	<p>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.</p> <p>(Examples: Sediment control with small building permit; leaf litter email during street sweeping season; or education brochure to all businesses conducting a certain activity)</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Provide opportunities for resident to recycle their brush. Advertise collection dates and information on city website.	Have 1,500 participants in the curbside brush recycling program.	Dec 2025
2	Provide opportunities for resident to recycle their brush. Advertise collection dates and information on city website.	Have 1,500 participants in the curbside brush recycling program.	Dec 2026
3	Provide opportunities for resident to recycle their brush. Advertise collection dates and information on city website.	Have 1,500 participants in the curbside brush recycling program.	Dec 2027
4	Provide opportunities for resident to recycle their brush. Advertise collection dates and information on city website.	Have 1,500 participants in the curbside brush recycling program.	Dec 2028
5	Provide opportunities for resident to recycle their brush. Advertise collection dates and information on city website.	Have 1,500 participants in the curbside brush recycling program.	Dec 2029

1.7: Educational Fact Sheet – Automotive Pollutants

Summary:

The City will develop and distribute an educational fact sheet for local automotive businesses, such as dealerships, mechanics, and scrap yards. The sheet will highlight proper operation and maintenance practices and will promote environmentally responsible disposal of automotive fluids, oil, and grease.

Target Audience: Auto mechanics **Target Pollutant:** Oil, grease, fluids from vehicles

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Fact sheets/ brochures/utility bill inserts/door hangers.	<p>Develop material topics that are group specific and address activities or pollutants of concern.</p> <p>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 tracking system to estimate what percentage of the intended audience is reached for determining BMP effectiveness.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Distribute educational fact sheets to local automotive dealers and repair facilities to address proper disposal of potential pollutants.	Ensure that 100% of local automotive dealers and repair facilities receive educational materials.	Dec 2025
2	Distribute educational fact sheets to local automotive dealers and repair facilities to address proper disposal of potential pollutants.	Ensure that 100% of local automotive dealers and repair facilities receive educational materials.	Dec 2026
3	Distribute educational fact sheets to local automotive dealers and repair facilities to address proper disposal of potential pollutants.	Ensure that 100% of local automotive dealers and repair facilities receive educational materials.	Dec 2027
4	Distribute educational fact sheets to local automotive dealers and repair facilities to address proper disposal of potential pollutants.	Ensure that 100% of local automotive dealers and repair facilities receive educational materials.	Dec 2028
5	Distribute educational fact sheets to local automotive dealers and repair facilities to address proper disposal of potential pollutants.	Ensure that 100% of local automotive dealers and repair facilities receive educational materials.	Dec 2029

MCM 2: Public Involvement/Participation

General Permit Requirement: Part IV.D.2

All permittees, except prisons/correctional facilities, shall involve the public, and, at minimum, comply with any state and local public notice requirements in the planning and implementation activities related to developing and implementing the SWMP. The small MS4 operator must create opportunities, or support activities that are coordinated by citizen groups, for residents and others to become involved with the SWMP. The activities/BMPs must demonstrate an impact on stormwater runoff by improving water quality.

2.1: Watershed Cleanup Events

Summary:

The City will organize two voluntary cleanup events annually, held either at Brushy Creek or along the City's expansive trail system. These events will be promoted via social media and the City's website.

Supporting Departments: Parks and Recreation, Community and Neighborhood Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
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. For consideration, the land area cleaned must be at least: <ul style="list-style-type: none"> • Two acres • 400 yards of a stream, streambank, riparian area, or • Two miles of roadside You can combine these, such as one acre of land and 200 yards of stream.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Organize biannual cleanup events along Brushy Creek Trail.	Schedule and begin cleanup events by the end of calendar year 2025.	Dec 2025
2	Host creek/trail cleanup events.	Host 2 cleanup events annually covering at least 400 yards of stream banks.	Dec 2026
3	Host creek/trail cleanup events.	Host 2 cleanup events annually covering at least 400 yards of stream banks.	Dec 2027
4	Host creek/trail cleanup events.	Host 2 cleanup events annually covering at least 400 yards of stream banks.	Dec 2028
5	Host creek/trail cleanup events.	Host 2 cleanup events annually covering at least 400 yards of stream banks.	Dec 2029

2.2: MS4 Feedback Survey

Summary:

An MS4 feedback survey will be created to give local students the chance to propose improvements or changes to the City’s MS4 programs. The insights gathered from the survey will provide valuable new perspectives, and the City hopes that offering this opportunity to young people will help nurture a sense of civic pride and environmental responsibility.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
MS4 area-wide stormwater survey for input on program implementation.	Provide or support a minimum of one public survey annually for input on the program implementation to be distributed 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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop feedback survey tailored for grade school children. Partner with local schools to distribute and implement survey.	Reach out to RRISD and local schools to workshop program feasibility and logistics.	Dec 2025
2	Implement survey and solicit feedback from local schools.	At least 75% of intended responses are received. Record results and use to inform future educational outreach projects.	Dec 2026
3	Implement survey and solicit feedback from local schools.	At least 75% of intended responses are received. Record results and use to inform future educational outreach projects.	Dec 2027
4	Implement survey and solicit feedback from local schools.	At least 75% of intended responses are received. Record results and use to inform future educational outreach projects.	Dec 2028
5	Implement survey and solicit feedback from local schools.	At least 75% of intended responses are received. Record results and use to inform future educational outreach projects.	Dec 2029

2.3: Homeowner’s Associations Public Feedback Meeting

Summary:

Once a year the City will host a meeting to allow representatives from local HOAs to provide feedback regarding the Stormwater Management Program and suggest modifications and improvements.

Supporting Departments: Community and Neighborhood Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Public meeting for input on the program implementation such as a city council meeting, board meeting, or stakeholder meeting.	Host at least one meeting annually for input on the program implementation such as city council meetings, board meeting, or stakeholder meetings. Event advertisement must reach at least 75% of the intended audience.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Host meeting for homeowner’s associations in Round Rock to provide program feedback.	Mail invitations to 100% of HOA representatives. Host one meeting annually.	Dec 2025
2	Host meeting for homeowner’s associations in Round Rock to provide program feedback.	Mail invitations to 100% of HOA representatives. Host one meeting annually.	Dec 2026
3	Host meeting for homeowner’s associations in Round Rock to provide program feedback.	Mail invitations to 100% of HOA representatives. Host one meeting annually.	Dec 2027
4	Host meeting for homeowner’s associations in Round Rock to provide program feedback.	Mail invitations to 100% of HOA representatives. Host one meeting annually.	Dec 2028
5	Host meeting for homeowner’s associations in Round Rock to provide program feedback.	Mail invitations to 100% of HOA representatives. Host one meeting annually.	Dec 2029

2.4: Environmental Event Participation

Summary:

The City will continue sponsoring or co-sponsoring special events such as Earth Day, Arbor Day, neighborhood cleanups, HHW collection day, and park cleanups. These events offer residents and local businesses a chance to volunteer and learn about protecting and improving environmental resources. The stormwater division will also continue to provide supporting materials to highlight the connection between these events and water quality.

Supporting Departments: Parks and Recreation, Community and Neighborhood Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Hold events to train residents, or work a project for homeowner associations (HOAs), or other public groups to cover stormwater topics such as: Building rain barrels; Fertilizer application training; Rain garden/bio retention creation or maintenance; How to recognize illicit discharge activities and communicate observations to appropriate MS4 staff.	Provide or support at minimum one project or training annually.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Sponsor or co-sponsor events such as Earth Day, HHW collection events, and neighborhood cleanups.	Sponsor or co-sponsor at least one event per quarter (minimum four events annually).	Dec 2025
2	Host workshop to educate citizens on identifying illicit discharges and reporting to appropriate City of Round Rock staff.	Sponsor or co-sponsor at least one event per quarter (minimum four events annually).	Dec 2026
3	Host workshop to educate citizens on identifying illicit discharges and reporting to appropriate City of Round Rock staff.	Sponsor or co-sponsor at least one event per quarter (minimum four events annually).	Dec 2027
4	Host workshop to educate citizens on identifying illicit discharges and reporting to appropriate City of Round Rock staff.	Sponsor or co-sponsor at least one event per quarter (minimum four events annually).	Dec 2028
5	Host workshop to educate citizens on identifying illicit discharges and reporting to appropriate City of Round Rock staff.	Sponsor or co-sponsor at least one event per quarter (minimum four events annually).	Dec 2029

2.5: Public Educational Booths

Summary:

The City will provide an educational booth at a local school, youth group, or educational organization event at least once annually. Educational materials will focus on water quality, environmental stewardship, and MS4 functionality.

Supporting Departments: Parks and Recreation, Community and Neighborhood Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
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. The booth or display must be staffed during the time which the event is open to the public.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Staff an educational booth at local events for schools, etc.	Sponsor or co-sponsor an educational display or demonstration at a public event at least once a year.	Dec 2025
2	Staff an educational booth at local events for schools, etc.	Sponsor or co-sponsor an educational display or demonstration at a public event at least once a year.	Dec 2026
3	Staff an educational booth at local events for schools, etc.	Sponsor or co-sponsor an educational display or demonstration at a public event at least once a year.	Dec 2027
4	Staff an educational booth at local events for schools, etc.	Sponsor or co-sponsor an educational display or demonstration at a public event at least once a year.	Dec 2028
5	Staff an educational booth at local events for schools, etc.	Sponsor or co-sponsor an educational display or demonstration at a public event at least once a year.	Dec 2029

MCM 3: Illicit Discharge Detection and Elimination

General Permit Requirement: Part IV.D.3(a)(1)

All permittees shall develop, implement, and enforce a program to investigate, detect, and eliminate illicit discharges into the small MS4. The program must include a plan to detect and address non-stormwater discharges, including illegal dumping to the small MS4.

3.1: MS4 Mapping

Summary:

The City of Round Rock utilizes Esri ArcGIS Pro, Esri Utility Network, and Esri ArcGIS Online to maintain current, accurate maps of city utilities including the sanitary sewer system and MS4. City utilities maps are reviewed and revised on an ongoing basis and reflect the most recent features which are updated daily.

Supporting Department: Information Technology

From TPDES 2024 TXR040000 General Permit:

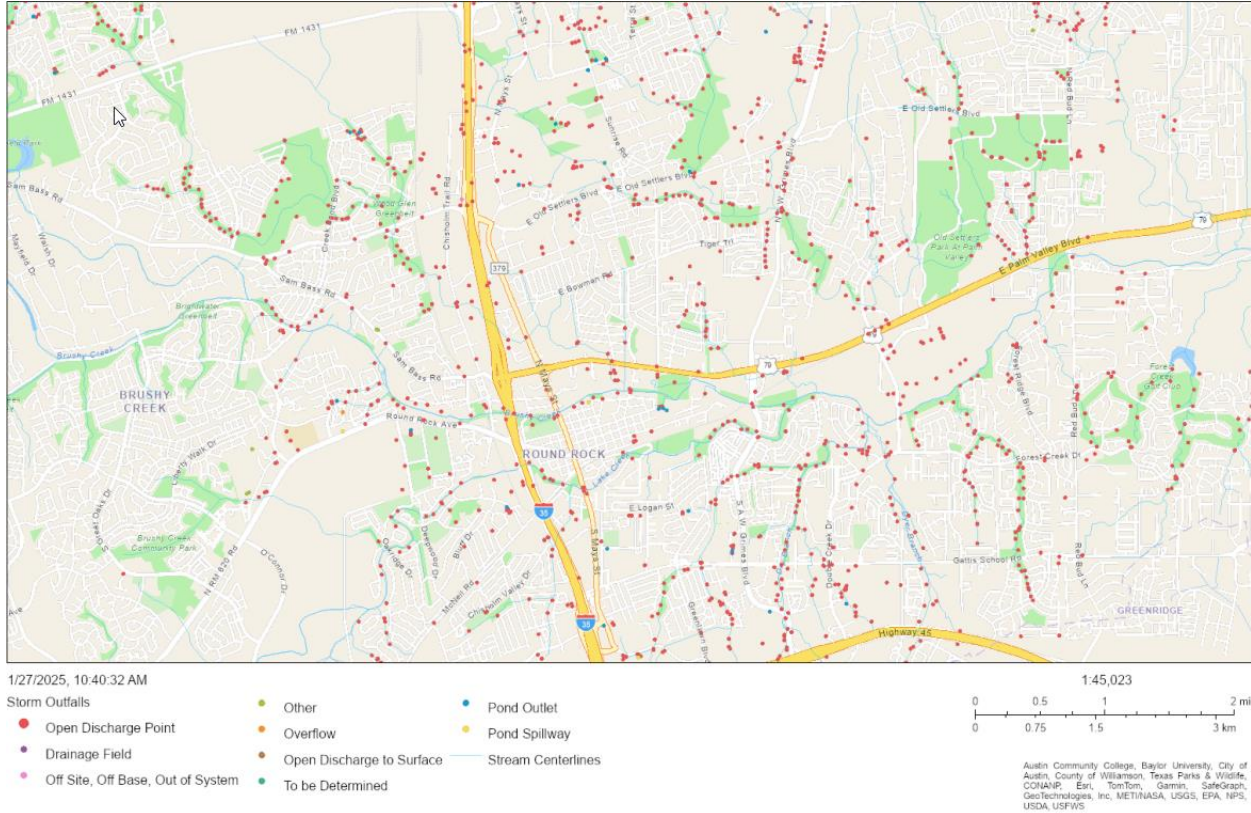
Activity/BMP	Measurable Goal
Maintain a current and accurate MS4 map	Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop a current and accurate MS4 map	Develop a map of the MS4 using the City's Utility Network software and ArcGIS Online.	Dec 2025
2	Maintain a current and accurate MS4 map	Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed.	Dec 2026
3	Maintain a current and accurate MS4 map	Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed.	Dec 2027
4	Maintain a current and accurate MS4 map	Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed.	Dec 2028
5	Maintain a current and accurate MS4 map	Review and update, as necessary, at least one time annually to include features which have been added, removed, or changed.	Dec 2029

3.1: MS4 Mapping (continued)

City of Round Rock MS4 Map:



Date of last revision: Jan 27, 2025

City Maps, including MS4 maps, are presented online and are publicly accessible via two applications created and managed by the city:

City View:

<https://cityview.roundrocktexas.gov/>

Utility View:

<https://experience.arcgis.com/experience/594452a6503b4812a63129e3c728d3f7>

3.2: IDDE – Staff Training

Summary:

The City will ensure all operations and maintenance team members are trained to recognize and report illicit discharges. These materials will be delivered online through a learning platform that tracks participation and can be used to monitor completion

Supporting Department: Parks and Recreation, General Services, Community and Neighborhood Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Conduct training for all the permittee’s field staff 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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Update training materials for illicit discharge detection and spill response procedures.	Provide updated materials to city employees by end of calendar year 2025.	Dec 2025
2	Train operations and maintenance employees on illicit discharge detection and spill response procedures.	100% of field staff in Public Works and supporting departments have completed training.	Dec 2026
3	Train operations and maintenance employees on illicit discharge detection and spill response procedures.	100% of field staff in Public Works and supporting departments have completed training.	Dec 2027
4	Train operations and maintenance employees on illicit discharge detection and spill response procedures.	100% of field staff in Public Works and supporting departments have completed training.	Dec 2028
5	Train operations and maintenance employees on illicit discharge detection and spill response procedures.	100% of field staff in Public Works and supporting departments have completed training.	Dec 2029

3.3: Illicit Discharge Reporting Hotline

Summary:

The City will continue to operate its Illicit Discharge Reporting Hotline and address as many reported issues as is possible. The hotline is consistently promoted on the City’s stormwater webpage, and to increase accessibility, QR code markers linking to the webpage will continue to be installed near stormwater inlets.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
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	<p>Maintain a minimum of one public reporting mechanism 100% of the time during the permit term.</p> <p>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.</p> <p>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.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	Document resolutions when receiving complaints/reports from the citizen hotline.	Resolve 80% of hotline complaints/reports received.	Dec 2025
2	Document resolutions when receiving complaints/reports from the citizen hotline.	Resolve 80% of hotline complaints/reports received.	Dec 2026
3	Document resolutions when receiving complaints/reports from the citizen hotline.	Resolve 80% of hotline complaints/reports received.	Dec 2027
4	Document resolutions when receiving complaints/reports from the citizen hotline.	Resolve 80% of hotline complaints/reports received.	Dec 2028
5	Document resolutions when receiving complaints/reports from the citizen hotline.	Resolve 80% of hotline complaints/reports received.	Dec 2029

3.4: Inspections in Response to Complaints

Summary:

The City will continue to investigate complaints submitted through the Illicit Discharge Reporting Hotline and conduct inspections at locations where reported discharges are identified.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Inspections in response to complaints	<p>Conduct inspections in response to 100% of complaints each year according to the established procedures (or some Level 2b MS4s must notify the appropriate agency with the authority to act).</p> <p>Conduct follow up inspections in 100% of cases each year where necessary as described in the established procedures (except for some Level 2b MS4s without the appropriate authority to act).</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Conduct inspections in response to complaints received via illicit discharge reporting hotline.	Conduct inspections in response to 100% of complaints each year according to the established procedures.	Dec 2025
2	Conduct inspections in response to complaints received via illicit discharge reporting hotline.	Conduct inspections in response to 100% of complaints each year according to the established procedures.	Dec 2026
3	Conduct inspections in response to complaints received via illicit discharge reporting hotline.	Conduct inspections in response to 100% of complaints each year according to the established procedures.	Dec 2027
4	Conduct inspections in response to complaints received via illicit discharge reporting hotline.	Conduct inspections in response to 100% of complaints each year according to the established procedures.	Dec 2028
5	Conduct inspections in response to complaints received via illicit discharge reporting hotline.	Conduct inspections in response to 100% of complaints each year according to the established procedures.	Dec 2029

3.5: IDDE Procedures

Summary:

The City will continuously revise and update its procedures for addressing illicit discharges, illegal dumping, and spills to ensure use of current information and best practices.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Develop and maintain procedures for responding to illicit discharges, illegal dumping, and spills	Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Implement established procedures for illicit discharges and spills.	Review and update procedures annually to make improvements where applicable.	Dec 2025
2	Implement established procedures for illicit discharges and spills.	Review and update procedures annually to make improvements where applicable.	Dec 2026
3	Implement established procedures for illicit discharges and spills.	Review and update procedures annually to make improvements where applicable.	Dec 2027
4	Implement established procedures for illicit discharges and spills.	Review and update procedures annually to make improvements where applicable.	Dec 2028
5	Implement established procedures for illicit discharges and spills.	Review and update procedures annually to make improvements where applicable.	Dec 2029

3.6: Illicit Discharge Investigations

Summary:

The City will continue to investigate all known instances of illicit discharges and illegal dumping and promptly investigate and resolve any high priority incidents.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Source investigation and elimination of illicit discharges and illegal dumping	<p>Respond to 100% of known illicit discharges and illegal dumping incidents each year to investigate sources (or some Level 2b MS4s must notify the appropriate agency with the authority to act).</p> <p>Respond to 100% of high priority discharges each year, such as sanitary sewer discharges within 24 hours (or some Level 2b MS4s must notify the appropriate agency with the authority to act).</p> <p>For 100% of known illicit discharges or illegal dumping incidents where the small MS4 does not have jurisdiction, notify the adjacent MS4 operator or the applicable TCEQ regional office each year.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	Implement established inspection procedures.	Respond to 100% of known illicit discharges and illegal dumping incidents to investigate sources. Respond to 100% of high priority discharges within 24 hours.	Dec 2025
2	Implement established inspection procedures.	Respond to 100% of known illicit discharges and illegal dumping incidents to investigate sources. Respond to 100% of high priority discharges within 24 hours.	Dec 2026
3	Implement established inspection procedures.	Respond to 100% of known illicit discharges and illegal dumping incidents to investigate sources. Respond to 100% of high priority discharges within 24 hours.	Dec 2027
4	Implement established inspection procedures.	Respond to 100% of known illicit discharges and illegal dumping incidents to investigate sources. Respond to 100% of high priority discharges within 24 hours.	Dec 2028
5	Implement established inspection procedures.	Respond to 100% of known illicit discharges and illegal dumping incidents to investigate sources. Respond to 100% of high priority discharges within 24 hours.	Dec 2029

3.7: Illicit Discharge Corrective Action

Summary:

The City will notify the party responsible for any identified illicit discharge or illegal dumping within 24 hours, for all cases where the source has been determined. Corrective actions will be required and follow-up investigations will occur as outline in BMP 3.9: Follow-up Investigations.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Corrective action to eliminate illicit discharges and illegal dumping	<p>For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party of the problem within 24 hours.</p> <p>Require the responsible party to perform all necessary corrective actions to eliminate the illicit discharge.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Notify the party responsible for illicit discharge and/or illegal dumping activity and require prompt corrective action.	For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party within 24 hours. Require prompt corrective actions to eliminate the issue.	Dec 2025
2	Notify the party responsible for illicit discharge and/or illegal dumping activity and require prompt corrective action.	For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party within 24 hours. Require prompt corrective actions to eliminate the issue	Dec 2026
3	Notify the party responsible for illicit discharge and/or illegal dumping activity and require prompt corrective action.	For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party within 24 hours. Require prompt corrective actions to eliminate the issue	Dec 2027
4	Notify the party responsible for illicit discharge and/or illegal dumping activity and require prompt corrective action.	For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party within 24 hours. Require prompt corrective actions to eliminate the issue	Dec 2028
5	Notify the party responsible for illicit discharge and/or illegal dumping activity and require prompt corrective action.	For 100% of illicit discharges or illegal dumping where a source has been determined, notify the responsible party within 24 hours. Require prompt corrective actions to eliminate the issue	Dec 2029

3.8: Illicit Discharge Inspections Review

Summary:

The City will review and update illicit discharge and illegal dumping investigation procedures once annually to incorporate any needed changes and make improvements where necessary.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Inspection procedures	Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Review established inspection procedures.	Review and update 100% of inspection procedures annually to make improvements where applicable.	Dec 2025
2	Review established inspection procedures.	Review and update 100% of inspection procedures annually to make improvements where applicable.	Dec 2026
3	Review established inspection procedures.	Review and update 100% of inspection procedures annually to make improvements where applicable.	Dec 2027
4	Review established inspection procedures.	Review and update 100% of inspection procedures annually to make improvements where applicable.	Dec 2028
5	Review established inspection procedures.	Review and update 100% of inspection procedures annually to make improvements where applicable.	Dec 2029

3.9: Follow-up Investigations

Summary:

The City will perform follow-up investigations or field screenings upon notification that an illicit discharge or illegal dumping incident has been successfully resolved.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Conduct follow-up investigations or field screenings when notified that a discharge has been eliminated	<p>Conduct follow-up investigations or field screening in response to 100% of notifications each year.</p> <p>Complete the follow-up investigations within five business days, on average.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Conduct follow-up investigations.	Conduct follow-up investigations or field screening in response to 100% of notifications each year within five business days on average.	Dec 2025
2	Conduct follow-up investigations.	Conduct follow-up investigations or field screening in response to 100% of notifications each year within five business days on average.	Dec 2026
3	Conduct follow-up investigations.	Conduct follow-up investigations or field screening in response to 100% of notifications each year within five business days on average.	Dec 2027
4	Conduct follow-up investigations.	Conduct follow-up investigations or field screening in response to 100% of notifications each year within five business days on average.	Dec 2028
5	Conduct follow-up investigations.	Conduct follow-up investigations or field screening in response to 100% of notifications each year within five business days on average.	Dec 2029

3.10: Priority Area Review

Summary:

The city will create and keep an updated list of all priority areas within the MS4. This list of high-priority areas will be reviewed and revised each year.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Identification of priority areas	<p>Develop and maintain a list of 100% of the priority areas identified by the small MS4 operator each year. At a minimum, small MS4 operators must consider the following in developing the priority areas:</p> <ul style="list-style-type: none"> • Sanitary sewer lines • Industrial areas • Commercial areas • Areas with history of past illicit discharges or illegal dumping <p>Review and update the list at least one time annually to include new, removed, or changed areas based on the criteria established by the small MS4 for identifying priority areas.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Identify all priority areas in City of Round Rock MS4.	Maintain a list of 100% of the priority areas. Review list and make necessary changes biannually.	Dec 2025
2	Identify all priority areas in City of Round Rock MS4.	Maintain a list of 100% of the priority areas. Review list and make necessary changes biannually.	Dec 2026
3	Identify all priority areas in City of Round Rock MS4.	Maintain a list of 100% of the priority areas. Review list and make necessary changes biannually.	Dec 2027
4	Identify all priority areas in City of Round Rock MS4.	Maintain a list of 100% of the priority areas. Review list and make necessary changes biannually.	Dec 2028
5	Identify all priority areas in City of Round Rock MS4.	Maintain a list of 100% of the priority areas. Review list and make necessary changes biannually.	Dec 2029

3.11: Gilleland Sewer Leak Detection

Summary:

Less than 2% of the City (the southernmost portion located in Travis County) drains to Gilleland Creek Segment 1428C. The City will continue to investigate and eliminate any sanitary sewer leaks within the Gilleland Creek drainage basin to reduce the potential for *E.coli* bacteria discharge.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Identify and eliminate sanitary sewer leaks in wastewater lines within Gilleland Creek drainage basin.	Inspect wastewater lines and repair identified leaks for 100 percent of the lines in the Gilleland Creek basin.	Dec 2025
2	Identify and eliminate sanitary sewer leaks in wastewater lines within Gilleland Creek drainage basin.	Inspect wastewater lines and repair identified leaks for 100 percent of the lines in the Gilleland Creek basin	Dec 2026
3	Identify and eliminate sanitary sewer leaks in wastewater lines within Gilleland Creek drainage basin.	Inspect wastewater lines and repair identified leaks for 100 percent of the lines in the Gilleland Creek basin	Dec 2027
4	Identify and eliminate sanitary sewer leaks in wastewater lines within Gilleland Creek drainage basin.	Inspect wastewater lines and repair identified leaks for 100 percent of the lines in the Gilleland Creek basin	Dec 2028
5	Identify and eliminate sanitary sewer leaks in wastewater lines within Gilleland Creek drainage basin.	Inspect wastewater lines and repair identified leaks for 100 percent of the lines in the Gilleland Creek basin	Dec 2029

3.12: Edwards Aquifer Recharge Zone Leak Detection

Summary:

The City will identify and repair any sanitary sewer leaks within the Edwards Aquifer Recharge Zone (EARZ) to minimize the risk of bacteria discharge. Sanitary sewer lines in the EARZ will be inspected and assessed on a rotating five-year schedule.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Requirements
Discharges to the Edwards Aquifer Recharge Zone	<p>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.</p> <p>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.</p> <p>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</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Identify and eliminate sanitary sewer leaks in wastewater lines within the EARZ.	Inspect wastewater lines and repair leaks as identified for 20 percent of the lines in the EARZ.	Dec 2025
2	Identify and eliminate sanitary sewer leaks in wastewater lines within the EARZ.	Inspect wastewater lines and repair leaks as identified for 20 percent of the lines in the EARZ.	Dec 2026
3	Identify and eliminate sanitary sewer leaks in wastewater lines within the EARZ.	Inspect wastewater lines and repair leaks as identified for 20 percent of the lines in the EARZ.	Dec 2027
4	Identify and eliminate sanitary sewer leaks in wastewater lines within the EARZ.	Inspect wastewater lines and repair leaks as identified for 20 percent of the lines in the EARZ.	Dec 2028
5	Identify and eliminate sanitary sewer leaks in wastewater lines within the EARZ.	Inspect wastewater lines and repair leaks as identified for 20 percent of the lines in the EARZ.	Dec 2029

3.13: Dry Weather Field Screening

Summary:

The City conducts monitoring of Brushy Creek and Lake Creek at six designated sites, measuring pH, temperature, conductivity, dissolved oxygen, and *E.coli* levels. Data is collected twice annually, offering insights into the overall health of local creeks and waterways. In addition, multiple monitoring sites help the City locate potential illicit discharges into the MS4.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Dry weather field screening	<p>Develop and implement written procedures to determine which dry weather flows will be screened, based on results of field observations or complaint from the public or the permittee’s trained field staff.</p> <p>Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable.</p> <p>Develop and implement written procedures for observing flows from outfalls when there has been at least 72 hours of dry weather.</p> <p>Review and update the procedures at least one time annually to address changes and make improvements to the established procedures where applicable.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Monitor Brushy Creek and Lake Creek for pH, temperature, dissolved oxygen, specific conductivity, and bacteria levels.	Record data points quarterly for each parameter being tested.	Dec 2025
2	Monitor Brushy Creek and Lake Creek for pH, temperature, dissolved oxygen, specific conductivity, and bacteria levels.	Record data points quarterly for each parameter being tested.	Dec 2026
3	Monitor Brushy Creek and Lake Creek for pH, temperature, dissolved oxygen, specific conductivity, and bacteria levels.	Record data points quarterly for each parameter being tested.	Dec 2027
4	Monitor Brushy Creek and Lake Creek for pH, temperature, dissolved oxygen, specific conductivity, and bacteria levels.	Record data points quarterly for each parameter being tested.	Dec 2028
5	Monitor Brushy Creek and Lake Creek for pH, temperature, dissolved oxygen, specific conductivity, and bacteria levels.	Record data points quarterly for each parameter being tested.	Dec 2029

3.14: Floatable Reduction Protocols

Summary:

The City will continue to develop source controls targeting reduction of floatables in its waterways. Along with maintaining existing permanent structural BMPs, the City will organize creek cleanup events twice a year and provide educational materials to the public, both online and in person.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Floatable Reduction	<p>Develop and implement at least two source controls each year to address floatables such as, but not limited to, establishing and maintaining waste collection sites, cleanup events, and anti-littering campaigns.</p> <p>Develop and implement at least two structural controls each year such as, but not limited to, inlet protections, boom sites, hazardous materials traps, trash racks, outfall netting, and catch basins.</p> <p>Annually maintain at least two locations where floatable material can be removed before the stormwater is discharged to or from the small MS4. These locations may be the same as the areas where source controls and structural controls are implemented.</p> <p>Floatable material shall be collected at the frequency necessary for maintenance of the removal devices, but not less than two times per year.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activities	Measurable Goals	Due Date
1	Maintain and clean out city owned permanent BMPs. Host creek cleanup events.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Begin development of creek cleanup program.	Dec 2025
2	Maintain and clean out city owned permanent BMPs. Host creek cleanup events.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Host two creek cleanup events each year.	Dec 2026
3	Maintain and clean out city owned permanent BMPs. Host creek cleanup events.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Host two creek cleanup events each year.	Dec 2027
4	Maintain and clean out city owned permanent BMPs. Host creek cleanup events.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Host two creek cleanup events each year.	Dec 2028
5	Maintain and clean out city owned permanent BMPs. Host creek cleanup events.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Host two creek cleanup events each year.	Dec 2029

MCM 4: Construction Site Stormwater Runoff Control

General Permit Requirement: Part IV.D.4(a)

All permittees shall develop, implement, and enforce a program requiring operators of small and large construction activities to select, install, implement, and maintain stormwater control measures that prevent illicit discharges to the MEP. The program must include the development and implementation of an ordinance or other regulatory mechanism, as well as sanctions to ensure compliance to the extent allowable under state, federal, and local law, to require erosion and sediment control.

4.1: Construction Site Stormwater Ordinance Review

Summary:

Each year, the City will review and update stormwater ordinances to encourage environmentally sustainable construction practices and prevent illicit discharges, illegal dumping, and other pollution risks from construction sites.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
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.
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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Review and update construction site stormwater ordinance.	Review existing ordinance annually to ensure TPDES compliance.	Dec 2025
2	Review and update construction site stormwater ordinance.	Review existing ordinance annually to ensure TPDES compliance.	Dec 2026
3	Review and update construction site stormwater ordinance.	Review existing ordinance annually to ensure TPDES compliance.	Dec 2027
4	Review and update construction site stormwater ordinance.	Review existing ordinance annually to ensure TPDES compliance.	Dec 2028
5	Review and update construction site stormwater ordinance.	Review existing ordinance annually to ensure TPDES compliance.	Dec 2029

4.2: Construction Site Plan Review

Summary:

The City will review plan documents for all CIP, development, and redevelopment projects to ensure compliance with the Construction General Permit (CGP), the Edwards Aquifer Rule (EAR), and local ordinances. These procedures will be reviewed annually to make any necessary adjustments and improvements.

Supporting Departments: Parks and Recreation, Planning and Development Services, General Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Maintain and implement site plan review procedures that describe which plans will be reviewed as well as when an operator may begin construction	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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	The City will maintain and implement existing site plan review procedures.	Review plans for 100% of CIP, development, and redevelopment projects. Review procedures annually to modify and improve as needed.	Dec 2025
2	The City will maintain and implement existing site plan review procedures.	Review plans for 100% of CIP, development, and redevelopment projects. Review procedures annually to modify and improve as needed.	Dec 2026
3	The City will maintain and implement existing site plan review procedures.	Review plans for 100% of CIP, development, and redevelopment projects. Review procedures annually to modify and improve as needed.	Dec 2027
4	The City will maintain and implement existing site plan review procedures.	Review plans for 100% of CIP, development, and redevelopment projects. Review procedures annually to modify and improve as needed.	Dec 2028
5	The City will maintain and implement existing site plan review procedures.	Review plans for 100% of CIP, development, and redevelopment projects. Review procedures annually to modify and improve as needed.	Dec 2029

4.3: Construction Site Inventory

Summary:

The City will maintain inventory of all active projects within the City limits.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Maintain a construction site inventory	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. <ul style="list-style-type: none"> • New Levels 3 or 4 small MS4s shall develop the inventory within one year of obtaining their authorization under this general permit.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	The City will maintain an inventory of active construction sites \geq 1 acre or $<$ 1 acre if part of a larger common plan, development, or sale.	Review and document site inventory for 100% of CIP, development, and redevelopment projects.	Dec 2025
2	The City will maintain an inventory of active construction sites \geq 1 acre or $<$ 1 acre if part of a larger common plan, development, or sale.	Review and document site inventory for 100% of CIP, development, and redevelopment projects.	Dec 2026
3	The City will maintain an inventory of active construction sites \geq 1 acre or $<$ 1 acre if part of a larger common plan, development, or sale.	Review and document site inventory for 100% of CIP, development, and redevelopment projects.	Dec 2027
4	The City will maintain an inventory of active construction sites \geq 1 acre or $<$ 1 acre if part of a larger common plan, development, or sale.	Review and document site inventory for 100% of CIP, development, and redevelopment projects.	Dec 2028
5	The City will maintain an inventory of active construction sites \geq 1 acre or $<$ 1 acre if part of a larger common plan, development, or sale.	Review and document site inventory for 100% of CIP, development, and redevelopment projects.	Dec 2029

4.4: Construction Site Inspection Review

Summary:

Annually, the City will assess existing procedures and improve the standard operating procedures (SOPs) for construction site inspections outlined in BMP 4.5: Construction Site Inspections.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Implement procedures for inspecting large and small construction projects	Review and update inspection procedures at least one time annually to address changes and make improvements to the established procedures where applicable.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	The City will continue to implement existing construction site inspection procedures.	Inspection procedures will be reviewed annually to make modifications and improve as needed.	Dec 2025
2	The City will continue to implement existing construction site inspection procedures.	Inspection procedures will be reviewed annually to make modifications and improve as needed.	Dec 2026
3	The City will continue to implement existing construction site inspection procedures.	Inspection procedures will be reviewed annually to make modifications and improve as needed.	Dec 2027
4	The City will continue to implement existing construction site inspection procedures.	Inspection procedures will be reviewed annually to make modifications and improve as needed.	Dec 2028
5	The City will continue to implement existing construction site inspection procedures.	Inspection procedures will be reviewed annually to make modifications and improve as needed.	Dec 2029

4.5: Construction Site Inspections

Summary:

City inspectors will assess construction site BMPs to verify compliance with the Construction General Permit (CGP) and local ordinances. Findings will be shared with the site operator, and confirmation will be obtained that recommended actions are carried out to reduce pollutant discharge into the MS4. The city will maintain detailed records of inspections and compliance. Follow-up investigations will be conducted in accordance with established procedures.

Supporting Departments: Planning and Development Services, Parks and Recreation, General Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Conduct construction site inspections	<p>Conduct inspections at a minimum of 80% of active construction sites annually according to the established procedures (or some Level 2b small MS4s must notify the appropriate agency with the authority to act).</p> <p>Each year, conduct follow up inspections in 100% of cases where necessary as described in the established procedures (except for some Level 2b small MS4s without the appropriate authority to act).</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Implement established construction inspection procedures.	Inspect 100% of CIP sites and construction sites with construction general permits.	Dec 2025
2	Implement established construction inspection procedures.	Inspect 100% of CIP sites and construction sites with construction general permits.	Dec 2026
3	Implement established construction inspection procedures.	Inspect 100% of CIP sites and construction sites with construction general permits.	Dec 2027
4	Implement established construction inspection procedures.	Inspect 100% of CIP sites and construction sites with construction general permits.	Dec 2028
5	Implement established construction inspection procedures.	Inspect 100% of CIP sites and construction sites with construction general permits.	Dec 2029

4.6: Construction Site Compliance Hotline

Summary:

The City will continue to operate the citizen complaint hotline for construction sites, addressing complaints, documenting findings, and taking necessary follow-up actions. Each year, the responses to the hotline will be reviewed to help refine the program and ensure it aligns with best practices and current information.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Develop, implement, and maintain procedures for receipt and consideration of information submitted by the public	<p>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.</p> <p>Maintain one webpage, hotline, or similar method for receipt of information submitted by the public throughout the permit term.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Provide an opportunity for residents to report illicit discharges/activities at construction sites. Investigate complaints as they are received.	Resolve 80% of construction site complaints received.	Dec 2025
2	Provide an opportunity for residents to report illicit discharges/activities at construction sites. Investigate complaints as they are received.	Resolve 80% of construction site complaints received.	Dec 2026
3	Provide an opportunity for residents to report illicit discharges/activities at construction sites. Investigate complaints as they are received.	Resolve 80% of construction site complaints received.	Dec 2027
4	Provide an opportunity for residents to report illicit discharges/activities at construction sites. Investigate complaints as they are received.	Resolve 80% of construction site complaints received.	Dec 2028
5	Provide an opportunity for residents to report illicit discharges/activities at construction sites. Investigate complaints as they are received.	Resolve 80% of construction site complaints received.	Dec 2029

4.7: Staff Training

Summary:

City project managers will receive annual training on the Construction General Permit (CGP), local ordinances, and the procedures needed to minimize pollutant runoff to the MS4. These materials will be delivered online through a learning platform that tracks participation and can be used to monitor completion

Supporting Departments: Planning and Development Services, Parks and Recreation, General Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Conduct training for all the MS4 staff whose primary job duties are related to implementing the construction stormwater program.	<p>Conduct a minimum of one training annually for 100% of MS4 staff whose primary job duties are related to implementing the construction stormwater program.</p> <p>Training may be conducted in person or using self-paced training materials such as videos or reading materials.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Organize training sessions with city staff to educate on requirements and BMPs for the CGP and city ordinances.	No goals for this year. Updating training material.	Dec 2025
2	Organize training sessions with city staff to educate on requirements and BMPs for the CGP and city ordinances.	Host an annual training session for city project managers working with CIP, development, and redevelopment projects.	Dec 2026
3	Organize training sessions with city staff to educate on requirements and BMPs for the CGP and city ordinances.	Host an annual training session for city project managers working with CIP, development, and redevelopment projects.	Dec 2027
4	Organize training sessions with city staff to educate on requirements and BMPs for the CGP and city ordinances.	Host an annual training session for city project managers working with CIP, development, and redevelopment projects.	Dec 2028
5	Organize training sessions with city staff to educate on requirements and BMPs for the CGP and city ordinances.	Host an annual training session for city project managers working with CIP, development, and redevelopment projects.	Dec 2029

MCM 5: Post Construction Stormwater Management in New and Redevelopment

General Permit Requirement: Part IV.D.5(a)(1&2)

(1) All permittees shall develop, implement, and enforce a program, to the extent allowable under state, federal, and local law, to control stormwater discharges from new development and redeveloped sites that discharge into the small MS4 that disturb one acre or more, including projects that disturb less than one acre that are part of a larger common plan of development or sale. The program must be established for private and public development sites. The program may utilize an offsite mitigation and payment in lieu of components to address this requirement.

(2) All permittees shall use, to the extent allowable under state, federal, and local law and local development standards, an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects. The permittees shall establish, implement, and enforce a requirement that owners or operators of new development and redeveloped sites design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protects water quality. If the construction of permanent structures is not feasible due to space limitations, health and safety concerns, cost effectiveness, or highway construction codes, the permittee may propose an alternative approach to TCEQ.

5.1: Post-Construction Ordinance Review

Summary:

Each year, the City will review and update stormwater ordinances addressing post-construction runoff. These ordinances will require design, installation, implementation, and maintenance of a mix of structural and non-structural BMPs to manage stormwater and protect water quality.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Develop and maintain an ordinance or other regulatory mechanism	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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Review and update post-construction stormwater ordinance	Review existing ordinance annually to ensure TPDES compliance.	Dec 2025
2	Review and update post-construction stormwater ordinance	Review existing ordinance annually to ensure TPDES compliance.	Dec 2026
3	Review and update post-construction stormwater ordinance	Review existing ordinance annually to ensure TPDES compliance.	Dec 2027
4	Review and update post-construction stormwater ordinance	Review existing ordinance annually to ensure TPDES compliance.	Dec 2028
5	Review and update post-construction stormwater ordinance	Review existing ordinance annually to ensure TPDES compliance.	Dec 2029

5.2: Enforcement Recordation

Summary:

The City will document and maintain records of all enforcement actions taken.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Document and maintain records of enforcement actions and make them available for review by the TCEQ	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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Document enforcement actions.	Maintain records of 100% of enforcement actions taken each year.	Dec 2025
2	Document enforcement actions.	Maintain records of 100% of enforcement actions taken each year.	Dec 2026
3	Document enforcement actions.	Maintain records of 100% of enforcement actions taken each year.	Dec 2027
4	Document enforcement actions.	Maintain records of 100% of enforcement actions taken each year.	Dec 2028
5	Document enforcement actions.	Maintain records of 100% of enforcement actions taken each year.	Dec 2029

5.3: Permanent BMP O&M – Permittee Owned

Summary:

The City will continue to maintain city-owned water quality and detention facilities, as well as develop maintenance schedules and procedures for any newly installed permanent BMPs.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Ensure the long-term operation and maintenance of structural stormwater control measures installed	<p>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.</p> <p>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.</p> <p>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.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Perform regular maintenance on city owned permanent BMPs. Report the amount of material removed.	<p>Perform maintenance on 100% of City-owned permanent BMPs.</p> <p>Maintain records of City owned BMP O&M</p>	Dec 2025
2	Perform regular maintenance on city owned permanent BMPs. Report the amount of material removed.	<p>Perform maintenance on 100% of City-owned permanent BMPs.</p> <p>Maintain records of City owned BMP O&M</p>	Dec 2026
3	Perform regular maintenance on city owned permanent BMPs. Report the amount of material removed.	<p>Perform maintenance on 100% of City-owned permanent BMPs.</p> <p>Maintain records of City owned BMP O&M</p>	Dec 2027
4	Perform regular maintenance on city owned permanent BMPs. Report the amount of material removed.	<p>Perform maintenance on 100% of City-owned permanent BMPs.</p> <p>Maintain records of City owned BMP O&M</p>	Dec 2028
5	Perform regular maintenance on city owned permanent BMPs. Report the amount of material removed.	<p>Perform maintenance on 100% of City-owned permanent BMPs.</p> <p>Maintain records of City owned BMP O&M</p>	Dec 2029

5.4: Permanent BMP O&M – Privately Owned

Summary:

The City will continue to respond to maintenance complaints regarding permanent BMPs and will support TCEQ in enforcing regulations as necessary. Private BMP owners are responsible for their maintenance, and maintenance plans must be submitted to the City for review.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Ensure the long-term operation and maintenance of structural stormwater control measures installed	<p>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.</p> <p>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.</p> <p>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.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Review and update city ordinance. Require private stormwater BMP owners to implement maintenance schedules and maintain records.	Require stormwater BMP O&M for all development and redevelopment projects Require 100% of privately-owned BMPs to maintain O&M records	Dec 2025
2	Review and update city ordinance. Require private stormwater BMP owners to implement maintenance schedules and maintain records.	Require stormwater BMP O&M for all development and redevelopment projects Require 100% of privately-owned BMPs to maintain O&M records	Dec 2026
3	Review and update city ordinance. Require private stormwater BMP owners to implement maintenance schedules and maintain records.	Require stormwater BMP O&M for all development and redevelopment projects Require 100% of privately-owned BMPs to maintain O&M records	Dec 2027
4	Review and update city ordinance. Require private stormwater BMP owners to implement maintenance schedules and maintain records.	Require stormwater BMP O&M for all development and redevelopment projects Require 100% of privately-owned BMPs to maintain O&M records	Dec 2028
5	Review and update city ordinance. Require private stormwater BMP owners to implement maintenance schedules and maintain records.	Require stormwater BMP O&M for all development and redevelopment projects Require 100% of privately-owned BMPs to maintain O&M records	Dec 2029

5.5: Post Construction Site Inspections

Summary:

The City of Round Rock will continue to inspect all post construction stormwater control measures to ensure structures are properly maintained and operating as intended.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Develop and implement an inspection program	<p>Develop and implement an inspection program to ensure that of post construction stormwater control measures in the small MS4 area are operating correctly and are being maintained as required consistent with its applicable maintenance plan each year. At a minimum, the small MS4 operator must inspect 20% of the post construction stormwater controls in the small MS4 area each year, or more if required by the MS4 maintenance plan.</p> <p>For small MS4s with limited enforcement authority, this requirement applies only to 100% of the structural controls owned and operated by the small MS4 or its contractors that perform these activities within the small MS4's regulated area each year.</p> <p>New Level 4 small MS4s shall develop the inspection program within one year of obtaining their authorization under this general permit.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Review and update city ordinance, develop inspection schedule for privately-owned BMPs.	Revise city ordinance to require inspections of privately owned stormwater BMPs.	Dec 2025
2	Inspect permanent BMPs to ensure compliance with MS4 permit and city ordinances.	Inspect 25% of permanent BMPs Archive 100% of submitted inspection reports from privately-owned BMPs	Dec 2026
3	Inspect permanent BMPs to ensure compliance with MS4 permit and city ordinances.	Inspect 25% of permanent BMPs Archive 100% of submitted inspection reports from privately-owned BMPs	Dec 2027
4	Inspect permanent BMPs to ensure compliance with MS4 permit and city ordinances.	Inspect 25% of permanent BMPs Archive 100% of submitted inspection reports from privately-owned BMPs	Dec 2028
5	Inspect permanent BMPs to ensure compliance with MS4 permit and city ordinances.	Inspect 25% of permanent BMPs Archive 100% of submitted inspection reports from privately-owned BMPs	Dec 2029

5.6: Inspection Report Registry

Summary:

The City will document and maintain inspection reports for all inspections performed by the city as well as those submitted by private entities.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Maintain inspection reports	<p>Document inspection findings in an inspection report for 100% of inspections performed each year.</p> <p>Make 100% of inspection reports available to TCEQ staff for review within 24 hours of request.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop plan for privately owned BMP inspection report submittal and documentation.	Revise city ordinance to implement new privately owned BMP inspection procedures.	Dec 2025
2	Document inspection reports.	Document inspection findings in an inspection report for 100% of inspections performed each year.	Dec 2026
3	Document inspection reports.	Document inspection findings in an inspection report for 100% of inspections performed each year.	Dec 2027
4	Document inspection reports.	Document inspection findings in an inspection report for 100% of inspections performed each year.	Dec 2028
5	Document inspection reports.	Document inspection findings in an inspection report for 100% of inspections performed each year.	Dec 2029

MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations

General Permit Requirement: Part IV.D.6(a)

All permittees shall develop and implement an operation and maintenance program (O&M), including an employee training component that has the ultimate goal of preventing or reducing pollutant runoff from municipal activities and municipally owned areas including but not limited to: park and open space maintenance; street, road, or highway maintenance; fleet and building maintenance; stormwater system maintenance; new construction and land disturbances; municipal parking lots; vehicle and equipment maintenance and storage yards; waste transfer stations; and salt/sand storage locations.

6.1: Permittee-owned Facility Inventory

Summary:

The City will maintain an inventory of every City-owned facility and stormwater BMP. Once annually the inventory will be reviewed and updated to ensure accurate data.

Supporting Department: Information Technology

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Permittee-owned Facilities and Control Inventory	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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	The City will maintain an inventory of all City-owned facilities and stormwater control structures.	Review and update the inventory annually, modify as needed.	Dec 2025
2	The City will maintain an inventory of all City-owned facilities and stormwater control structures.	Review and update the inventory annually, modify as needed.	Dec 2026
3	The City will maintain an inventory of all City-owned facilities and stormwater control structures.	Review and update the inventory annually, modify as needed.	Dec 2027
4	The City will maintain an inventory of all City-owned facilities and stormwater control structures.	Review and update the inventory annually, modify as needed.	Dec 2028
5	The City will maintain an inventory of all City-owned facilities and stormwater control structures.	Review and update the inventory annually, modify as needed.	Dec 2029

6.2: Permittee-owned Facility Map

Summary:

The City of Round Rock utilizes Esri ArcGIS Pro, Esri Utility Network, and Esri ArcGIS Online to maintain current, accurate maps of city utilities including the sanitary sewer system and MS4. City utilities maps are reviewed and revised on an ongoing basis and reflect the most recent features which are updated daily.

Supporting Department: Information Technology

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Mapping of facilities	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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Maintain current map of City facilities, greenspaces, and stormwater controls.	Identify 100% of City facilities, greenspaces, and stormwater controls on ArcGIS online webmap.	Dec 2025
2	Maintain current map of City facilities, greenspaces, and stormwater controls.	Identify 100% of City facilities, greenspaces, and stormwater controls on ArcGIS online webmap.	Dec 2026
3	Maintain current map of City facilities, greenspaces, and stormwater controls.	Identify 100% of City facilities, greenspaces, and stormwater controls on ArcGIS online webmap.	Dec 2027
4	Maintain current map of City facilities, greenspaces, and stormwater controls.	Identify 100% of City facilities, greenspaces, and stormwater controls on ArcGIS online webmap.	Dec 2028
5	Maintain current map of City facilities, greenspaces, and stormwater controls.	Identify 100% of City facilities, greenspaces, and stormwater controls on ArcGIS online webmap.	Dec 2029

6.3: Staff Training

Summary:

The City will provide MS4 training materials to all team members involved in activities related to pollution prevention, operations and maintenance, or any other tasks that could impact stormwater runoff or water quality. These materials will be delivered online through a learning platform that tracks participation and can be used to monitor completion.

Supporting Departments: Parks and Recreation, Planning and Development Services, General Services, Community and Neighborhood Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
<p>Training and Education</p> <p>Training may be conducted in person or using self-paced training materials such as videos or reading materials.</p>	<p>Conduct a minimum of one training annually for 100% of employees involved in implementing pollution prevention and good housekeeping practices.</p> <p>For small MS4s which use only contractors to implement pollution prevention and good housekeeping practices, ensure training of 100% of applicable contract staff is conducted at least one time annually using contract language or another similar method</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Update employee training modules for pollution prevention and good housekeeping practices.	No goals for this year. Updating training material.	Dec 2025
2	Train operations and maintenance employees on pollution prevention and good housekeeping practices.	Host training materials for 100% of operations and maintenance employees and track employee participation.	Dec 2026
3	Train operations and maintenance employees on pollution prevention and good housekeeping practices.	Host training materials for 100% of operations and maintenance employees and track employee participation.	Dec 2027
4	Train operations and maintenance employees on pollution prevention and good housekeeping practices.	Host training materials for 100% of operations and maintenance employees and track employee participation.	Dec 2028
5	Train operations and maintenance employees on pollution prevention and good housekeeping practices.	Host training materials for 100% of operations and maintenance employees and track employee participation.	Dec 2029

6.4: Disposal of Waste Material

Summary:

The City will follow the guidelines listed in the Texas Administrative code to ensure that all waste collected from MS4 facilities and controls is disposed of in accordance with state and federal regulations.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Disposal of Waste Material	Ensure that 100% of waste from the MS4 is disposed of in accordance with 30 TAC Chapters 330 or 335, as applicable each year.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Follow established guidelines for proper MS4 waste disposal.	100% of waste material collected from permanent BMPs is disposed of in accordance with 30 TAC regulations.	Dec 2025
2	Follow established guidelines for proper MS4 waste disposal.	100% of waste material collected from permanent BMPs is disposed of in accordance with 30 TAC regulations.	Dec 2026
3	Follow established guidelines for proper MS4 waste disposal.	100% of waste material collected from permanent BMPs is disposed of in accordance with 30 TAC regulations.	Dec 2027
4	Follow established guidelines for proper MS4 waste disposal.	100% of waste material collected from permanent BMPs is disposed of in accordance with 30 TAC regulations.	Dec 2028
5	Follow established guidelines for proper MS4 waste disposal.	100% of waste material collected from permanent BMPs is disposed of in accordance with 30 TAC regulations.	Dec 2029

6.5: Contractor Requirements and Oversight

Summary:

The City will ensure all city contractors perform maintenance activities using appropriate control measures and standard operating procedures (SOPs) to minimize the release of pollutants to the MS4.

Supporting Department: Planning and Development Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Contractor requirements and oversight	<p>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).</p> <p>Implement oversight procedures of contractor activities in 100% of contracts to ensure that contractors are using appropriate control measures and SOPs each year.</p> <p>Oversight procedures must be maintained on-site 100% of the time and made available for review by TCEQ within 24 hours of request.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Implement contracts requiring city contractors use adequate control measures and SOPs to minimize release of pollutants to MS4.	Require 100% of city contractors sign/renew contracts requiring control measures and SOPs to minimize pollutants.	Dec 2025
2	Implement contracts requiring city contractors use adequate control measures and SOPs to minimize release of pollutants to MS4.	Require 100% of city contractors sign/renew contracts requiring control measures and SOPs to minimize pollutants.	Dec 2026
3	Implement contracts requiring city contractors use adequate control measures and SOPs to minimize release of pollutants to MS4.	Require 100% of city contractors sign/renew contracts requiring control measures and SOPs to minimize pollutants.	Dec 2027
4	Implement contracts requiring city contractors use adequate control measures and SOPs to minimize release of pollutants to MS4.	Require 100% of city contractors sign/renew contracts requiring control measures and SOPs to minimize pollutants.	Dec 2028
5	Implement contracts requiring city contractors use adequate control measures and SOPs to minimize release of pollutants to MS4.	Require 100% of city contractors sign/renew contracts requiring control measures and SOPs to minimize pollutants.	Dec 2029

6.6: Operations and Maintenance Review

Summary:

Each year, the City will evaluate current procedures and refine standard operating procedures (SOPs) for high-risk maintenance activities to minimize release of pollutants to the MS4.

Supporting Departments: Parks and Recreation, Planning and Development Services, General Services, Fleet Maintenance

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Assessment of permittee-owned operations	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: <ul style="list-style-type: none"> • Road and parking lot maintenance, including such areas as pothole repair, pavement marking, sealing, and re-paving; • Bridge maintenance, including such areas as rechipping, 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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Assess procedures for high-risk maintenance activities to determine their continued effectiveness.	Conduct review once a year of 100% of procedures for high-risk maintenance activities.	Dec 2025
2	Assess procedures for high-risk maintenance activities to determine their continued effectiveness.	Conduct review once a year of 100% of procedures for high-risk maintenance activities.	Dec 2026
3	Assess procedures for high-risk maintenance activities to determine their continued effectiveness.	Conduct review once a year of 100% of procedures for high-risk maintenance activities.	Dec 2027
4	Assess procedures for high-risk maintenance activities to determine their continued effectiveness.	Conduct review once a year of 100% of procedures for high-risk maintenance activities.	Dec 2028
5	Assess procedures for high-risk maintenance activities to determine their continued effectiveness.	Conduct review once a year of 100% of procedures for high-risk maintenance activities.	Dec 2029

6.7: Identification of Pollutants of Concern

Summary:

The City will identify pollutants of concern (POCs) that could be discharged into the MS4 during high-risk operations and maintenance activities outlined in BMP 6.6: Operations and Maintenance Review. The list of POCs will be reviewed and updated annually.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Identify pollutants of concern	<p>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.</p> <p>Including for example, metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash.</p> <p>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.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Identify potential pollutants of concern.	Keep record of 100% of POCs and the O&M activity during which they may be discharged. Revise annually.	Dec 2025
2	Identify potential pollutants of concern.	Keep record of 100% of POCs and the O&M activity during which they may be discharged. Revise annually.	Dec 2026
3	Identify potential pollutants of concern.	Keep record of 100% of POCs and the O&M activity during which they may be discharged. Revise annually.	Dec 2027
4	Identify potential pollutants of concern.	Keep record of 100% of POCs and the O&M activity during which they may be discharged. Revise annually.	Dec 2028
5	Identify potential pollutants of concern.	Keep record of 100% of POCs and the O&M activity during which they may be discharged. Revise annually.	Dec 2029

6.8: Pollution Prevention Measures

Summary:

The City will maintain yearly records of de-icing compound applications, including the quantity used for each application. Additionally, all de-icing chemicals will be stored in contained areas to prevent runoff contamination and protect surface water quality.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Pollution prevention measures	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: <ul style="list-style-type: none"> • Replace at least 50% of the MS4's materials and chemicals with more environmentally friendly materials or methods by the end of the permit term; • 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; • Use suspended tarps, booms, or vacuums to capture paint, solvents, rust, paint chips and other pollutants during 80% of regular bridge maintenance each year; and • Place barriers around or conduct runoff away from 100% of deicing chemical storage areas to prevent discharge into surface waters each year.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	Begin implementation of 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 annually. Place barriers around 100% of deicing chemical storage areas to prevent discharge into surface waters each year.	Dec 2025
2	The City will implement pollution prevention measures intended to minimize the risk of anti-icing and de-icing chemicals entering MS4.	Track 100% of the application of deicing and anti-icing compounds in the MS4 area and record the amount of compound used annually. Place barriers around 100% of deicing chemical storage areas to prevent discharge into surface waters each year.	Dec 2026
3	The City will implement pollution prevention measures intended to minimize the risk of anti-icing and de-icing chemicals entering MS4.	Track 100% of the application of deicing and anti-icing compounds in the MS4 area and record the amount of compound used annually. Place barriers around 100% of deicing chemical storage areas to prevent discharge into surface waters each year.	Dec 2027
4	The City will implement pollution prevention measures intended to minimize the risk of anti-icing and de-icing chemicals entering MS4.	Track 100% of the application of deicing and anti-icing compounds in the MS4 area and record the amount of compound used annually. Place barriers around 100% of deicing chemical storage areas to prevent discharge into surface waters each year.	Dec 2028
5	The City will implement pollution prevention measures intended to minimize the risk of anti-icing and de-icing chemicals entering MS4.	Track 100% of the application of deicing and anti-icing compounds in the MS4 area and record the amount of compound used annually. Place barriers around 100% of deicing chemical storage areas to prevent discharge into surface waters each year.	Dec 2029

6.9: Inspection of Pollution Prevention Measures

Summary:

City inspectors will conduct annual visual assessments of pollution prevention measures and maintain written records of the inspection process and findings. Detailed records of these inspections will be kept, and the inspection methodology will be reviewed each year to address any deficiencies and implement necessary improvements.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Inspection of pollution prevention measures	<p>At least one time annually, visually inspect 100% of pollution prevention measures implemented at permittee-owned facilities to ensure they are working properly.</p> <p>Develop and maintain written procedures that describe the frequency of inspections and how they will be conducted.</p> <p>Review and update the inspection procedures at least one time annually to address changes or additions to the pollution prevention measures.</p> <p>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.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop pollution prevention measures inspection program.	Devise and begin implementation of pollution prevention measures inspection program by end of calendar year 2025.	Dec 2025
2	Implement existing pollution prevention measures inspection program.	Inspect 100% of City-owned pollution prevention measures and document results and corrective actions. Revise procedures annually.	Dec 2026
3	Implement existing pollution prevention measures inspection program.	Inspect 100% of City-owned pollution prevention measures and document results and corrective actions. Revise procedures annually.	Dec 2027
4	Implement existing pollution prevention measures inspection program.	Inspect 100% of City-owned pollution prevention measures and document results and corrective actions. Revise procedures annually.	Dec 2028
5	Implement existing pollution prevention measures inspection program.	Inspect 100% of City-owned pollution prevention measures and document results and corrective actions. Revise procedures annually.	Dec 2029

6.10: Structural Control Maintenance

Summary:

The City's structural control maintenance program focuses on inlet cleaning and ongoing maintenance of permanent BMPs to minimize pollutant discharge into the MS4. The City will create written standard operating procedures (SOPs) for structural control maintenance and review them annually to ensure the continued effectiveness of MS4 infrastructure.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Structural control maintenance	<p>At least one time annually, perform maintenance of 100% of the structural controls which 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.</p> <p>The permittee shall develop and maintain written procedures that define the frequency of inspections and how they will be conducted.</p> <p>Review and update the maintenance procedures at least one time annually to address changes or additions to the pollution prevention measures.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	Maintain city owned permanent BMPs. Remove vegetation, sediment, and floatables.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Revise procedures annually.	Dec 2025
2	Maintain city owned permanent BMPs. Remove vegetation, sediment, and floatables.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Revise procedures annually.	Dec 2026
3	Maintain city owned permanent BMPs. Remove vegetation, sediment, and floatables.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Revise procedures annually.	Dec 2027
4	Maintain city owned permanent BMPs. Remove vegetation, sediment, and floatables.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Revise procedures annually.	Dec 2028
5	Maintain city owned permanent BMPs. Remove vegetation, sediment, and floatables.	Perform maintenance on 100% of city owned permanent BMPs at least once per year. Revise procedures annually.	Dec 2029

6.11: Storm Sewer System O&M Program

Summary:

The City will continue its annual inspection and cleaning of city-owned detention basins, stormwater inlets, and surface drainage systems. Additionally, the City will continue to host monthly household hazardous waste (HHW) collection events, weather permitting.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Storm sewer operation and maintenance program	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 at least two of the following: <ul style="list-style-type: none"> • Inspect at least 25% of the small MS4 owned and operated detention basins each year. • Inspect at least 20% of the small MS4 owned and operated stormwater inlets in problem areas identified by the small MS4 operator (for example, areas with recurrent illegal dumping) 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. • Collect and dispose of or recycle used oil and other household hazardous waste (HHW) from the public in at least three events each year. An event is any day in which the public has an opportunity to dispose of or recycle HHW either through collection or drop off

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	Implement existing storm sewer operation and maintenance program.	Inspect and clean 100% of City-owned detention basins annually. Host at least 6 HHW events annually.	Dec 2025
2	Implement existing storm sewer operation and maintenance program.	Inspect and clean 100% of City-owned detention basins annually. Host at least 6 HHW events annually.	Dec 2026
3	Implement existing storm sewer operation and maintenance program.	Inspect and clean 100% of City-owned detention basins annually. Host at least 6 HHW events annually.	Dec 2027
4	Implement existing storm sewer operation and maintenance program.	Inspect and clean 100% of City-owned detention basins annually. Host at least 6 HHW events annually.	Dec 2028
5	Implement existing storm sewer operation and maintenance program.	Inspect and clean 100% of City-owned detention basins annually. Host at least 6 HHW events annually.	Dec 2029

6.12: Storm Sewer System O&M Problem Areas

Summary:

A list of all the potential MS4 problem areas will be developed, maintained and revised annually.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Storm sewer operation and maintenance problem areas	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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop list of storm sewer operation and maintenance problem areas.	Identify and record 100% of potential problem areas for storm sewer O&M. Revise annually.	Dec 2025
2	Maintain and revise list of storm sewer operation and maintenance problem areas.	Maintain and update records for 100% of potential problem areas for storm sewer O&M. Revise annually.	Dec 2026
3	Maintain and revise list of storm sewer operation and maintenance problem areas.	Maintain and update records for 100% of potential problem areas for storm sewer O&M. Revise annually.	Dec 2027
4	Maintain and revise list of storm sewer operation and maintenance problem areas.	Maintain and update records for 100% of potential problem areas for storm sewer O&M. Revise annually.	Dec 2028
5	Maintain and revise list of storm sewer operation and maintenance problem areas.	Maintain and update records for 100% of potential problem areas for storm sewer O&M. Revise annually.	Dec 2029

6.13: Street Sweeping

Summary:

The city will maintain regular street sweeping of public streets and high-priority areas to reduce pollutant runoff from roadways and parking lots into the MS4. Additionally, trash receptacles will be placed and maintained in high-trash areas where street sweeping is not technically feasible.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Operation and maintenance program to reduce discharges of pollutants from roads	Implement the following: <ul style="list-style-type: none"> • A street sweeping and cleaning program to address 75% of the MS4 area where street sweeping is technically feasible annually. <ul style="list-style-type: none"> ○ 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. • One or a combination of the following non-street sweeping controls: <ul style="list-style-type: none"> ○ an inlet protection program addressing 100% of the small MS4 area where street sweeping is technically infeasible by the end of the permit term, which must include an implementation schedule and a waste disposal procedure, or ○ 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.).

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Maintain streets and high priority facilities by sweeping curbs and parking lots of potential pollutants.	Sweep 100% of scheduled street maintenance locations twice annually at minimum.	Dec 2025
2	Maintain streets and high priority facilities by sweeping curbs and parking lots of potential pollutants.	Sweep 100% of scheduled street maintenance locations twice annually at minimum.	Dec 2026
3	Maintain streets and high priority facilities by sweeping curbs and parking lots of potential pollutants.	Sweep 100% of scheduled street maintenance locations twice annually at minimum.	Dec 2027
4	Maintain streets and high priority facilities by sweeping curbs and parking lots of potential pollutants.	Sweep 100% of scheduled street maintenance locations twice annually at minimum.	Dec 2028
5	Maintain streets and high priority facilities by sweeping curbs and parking lots of potential pollutants.	Sweep 100% of scheduled street maintenance locations twice annually at minimum.	Dec 2029

6.14: Assessment of Facilities' Pollutant Discharge Potential

Summary:

Over the next five years, the city will assess the pollutant discharge potential of all facilities included in BMP 6.1: Permittee-owned Facilities Inventory.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Assessment of facilities' pollutant discharge potential	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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Establish pollutant discharge potential assessment criteria and develop monitoring program.	Implement program by end of calendar year 2025.	Dec 2025
2	Assess and keep record of facilities pollution discharge potential.	Review ≈ 25% of facilities listed in BMP 6.1 for pollution discharge potential.	Dec 2026
3	Assess and keep record of facilities pollution discharge potential.	Review ≈ 25% of facilities listed in BMP 6.1 for pollution discharge potential.	Dec 2027
4	Assess and keep record of facilities pollution discharge potential.	Review ≈ 25% of facilities listed in BMP 6.1 for pollution discharge potential.	Dec 2028
5	Assess and keep record of facilities pollution discharge potential.	Review ≈ 25% of facilities listed in BMP 6.1 for pollution discharge potential.	Dec 2029

6.15: Documentation of Site Assessment Results

Summary:

The City will keep records of all site assessments and maintain a registry that includes site evaluation checklists, identified deficiencies, and corrective actions taken.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Documentation of assessment results	<p>Document the results of all the assessments and maintain copies of 100% of the site evaluation checklists used to conduct the assessments each year.</p> <p>The documentation must include: the results of the permittee’s initial assessment, and any identified deficiencies and corrective actions taken.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Document site evaluation checklists.	Maintain copies of 100% of the site evaluation checklists used to conduct assessments each year.	Dec 2025
2	Document site evaluation checklists.	Maintain copies of 100% of the site evaluation checklists used to conduct assessments each year.	Dec 2026
3	Document site evaluation checklists.	Maintain copies of 100% of the site evaluation checklists used to conduct assessments each year.	Dec 2027
4	Document site evaluation checklists.	Maintain copies of 100% of the site evaluation checklists used to conduct assessments each year.	Dec 2028
5	Document site evaluation checklists.	Maintain copies of 100% of the site evaluation checklists used to conduct assessments each year.	Dec 2029

6.16: Identification of High Priority Facilities

Summary:

Based on the findings from site assessments conducted during BMP 6.14: Assessment of Facilities' Pollutant Discharge Potential, the City will keep an updated list of facilities that are likely to generate stormwater pollutants. This list of high priority facilities will be reviewed and updated annually.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Identification of high priority facilities	<p>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.</p> <p>Review and update the list of high priority facilities at least one time annually to address changes or additions to the facilities.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop and maintain a list of high priority facilities.	A list of 100% of high priority facilities in the city will be compiled annually.	Dec 2025
2	Maintain a list of high priority facilities.	A list of 100% of high priority facilities in the city will be compiled annually.	Dec 2026
3	Maintain a list of high priority facilities.	A list of 100% of high priority facilities in the city will be compiled annually.	Dec 2027
4	Maintain a list of high priority facilities.	A list of 100% of high priority facilities in the city will be compiled annually.	Dec 2028
5	Maintain a list of high priority facilities.	A list of 100% of high priority facilities in the city will be compiled annually.	Dec 2029

6.17: Facility-Specific Procedures

Summary:

The City will develop and document facility-specific standard operating procedures (SOPs) for all high priority facilities identified as an outcome of site assessments conducted during BMP 6.14: Assessment of Facilities' Pollutant Discharge Potential. Each year, all high priority facility-specific SOPs will be reviewed and updated.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Development of facility-specific SOPs	<p>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.</p> <p>Review and update the facility-specific SOPs at least one time annually to address changes or additions to the facilities.</p> <p>If requested, SOPs must be made available to TCEQ within 24 hours of the request for review.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop facility-specific stormwater management SOPs for each facility operated by the City.	Begin compiling list of high priority facilities and determining best SOPs for stormwater management for each.	Dec 2025
2	Implement facility-specific stormwater management SOPs for each facility operated by the City.	Implement facility-specific SOPs for 100% of high priority facilities operated by the City. Review and revise procedures annually.	Dec 2026
3	Implement facility-specific stormwater management SOPs for each facility operated by the City.	Implement facility-specific SOPs for 100% of high priority facilities operated by the City. Review and revise procedures annually.	Dec 2027
4	Implement facility-specific stormwater management SOPs for each facility operated by the City.	Implement facility-specific SOPs for 100% of high priority facilities operated by the City. Review and revise procedures annually.	Dec 2028
5	Implement facility-specific stormwater management SOPs for each facility operated by the City.	Implement facility-specific SOPs for 100% of high priority facilities operated by the City. Review and revise procedures annually.	Dec 2029

6.18: Stormwater Controls for High Priority Facilities

Summary:

The City will ensure proper storage of potential stormwater pollutants at all high-priority facilities to protect water quality.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Stormwater controls for high priority facilities, general good housekeeping	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.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	High priority facility stormwater controls.	Ensure 100% of potential pollutants are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2025
2	High priority facility stormwater controls.	Ensure 100% of potential pollutants are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2026
3	High priority facility stormwater controls.	Ensure 100% of potential pollutants are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2027
4	High priority facility stormwater controls.	Ensure 100% of potential pollutants are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2028
5	High priority facility stormwater controls.	Ensure 100% of potential pollutants are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2029

6.19: Controls for High Priority Facilities – De-icing

Summary:

The City will ensure proper storage of de-icing and anti-icing compounds at all high-priority facilities as discussed in BMP 6.8: Pollution Prevention Measures.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Stormwater controls for high priority facilities, de-icing and anti-icing material storage	Implement one or a combination of the following: Ensure that 100% of stormwater runoff from storage piles of salt and other de-icing and anti-icing materials is not discharged each year. Or ensure that 100% of discharges from the piles are authorized under a separate discharge permit each year.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	De-icing stormwater controls.	Ensure 100% of de-icing and anti-icing materials are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2025
2	De-icing stormwater controls.	Ensure 100% of de-icing and anti-icing materials are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2026
3	De-icing stormwater controls.	Ensure 100% of de-icing and anti-icing materials are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2027
4	De-icing stormwater controls.	Ensure 100% of de-icing and anti-icing materials are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2028
5	De-icing stormwater controls.	Ensure 100% of de-icing and anti-icing materials are not exposed to stormwater. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2029

6.20: Controls for High Priority Facilities – Vehicles

Summary:

The City will implement standard operating procedures (SOPs) at all vehicle fueling, maintenance, and bulk fuel delivery facilities to prevent the introduction of automotive-related pollutants into the MS4.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Stormwater controls for high priority facilities, fueling and vehicle maintenance	<p>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.</p> <p>Review and update the facility specific SOPs at least one time annually to address changes or additions to the facilities.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Vehicle fueling, vehicle maintenance, and bulk fuel delivery facility stormwater controls.	Ensure proper spill prevention and spill control at all City-owned vehicle facilities. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2025
2	Vehicle fueling, vehicle maintenance, and bulk fuel delivery facility stormwater controls.	Ensure proper spill prevention and spill control at all City-owned vehicle facilities. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2026
3	Vehicle fueling, vehicle maintenance, and bulk fuel delivery facility stormwater controls.	Ensure proper spill prevention and spill control at all City-owned vehicle facilities. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2027
4	Vehicle fueling, vehicle maintenance, and bulk fuel delivery facility stormwater controls.	Ensure proper spill prevention and spill control at all City-owned vehicle facilities. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2028
5	Vehicle fueling, vehicle maintenance, and bulk fuel delivery facility stormwater controls.	Ensure proper spill prevention and spill control at all City-owned vehicle facilities. Determine BMP effectiveness via inspections performed in BMP 6.22.	Dec 2029

6.21: Controls for High Priority Facilities – Washing

Summary:

The City will make sure that all City-owned equipment and vehicle washing facilities are linked to the sanitary sewer system to prevent any potential pollutants from entering the MS4.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
<p>Stormwater controls for high priority facilities, equipment and vehicle washing</p>	<p>Develop and implement SOPs that address equipment and vehicle washing activities at 100% of the permittee-owned and operated facilities where washing occurs.</p> <p>To ensure that wastewater is not discharged under this general permit, the permittee's SOP must include one or more of the following:</p> <ul style="list-style-type: none"> • 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. <p>Review and update the facility specific SOPs at least one time annually to address changes or additions to the facilities.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Vehicle and equipment washing facility stormwater controls.	100% of City-owned vehicle and equipment washing facilities are connected to the sanitary sewer system and do not drain to the MS4.	Dec 2025
2	Vehicle and equipment washing facility stormwater controls.	100% of City-owned vehicle and equipment washing facilities are connected to the sanitary sewer system and do not drain to the MS4.	Dec 2026
3	Vehicle and equipment washing facility stormwater controls.	100% of City-owned vehicle and equipment washing facilities are connected to the sanitary sewer system and do not drain to the MS4.	Dec 2027
4	Vehicle and equipment washing facility stormwater controls.	100% of City-owned vehicle and equipment washing facilities are connected to the sanitary sewer system and do not drain to the MS4.	Dec 2028
5	Vehicle and equipment washing facility stormwater controls.	100% of City-owned vehicle and equipment washing facilities are connected to the sanitary sewer system and do not drain to the MS4.	Dec 2029

6.22: High Priority Facility Inspections

Summary:

The City will perform annual inspections for high priority facilities to minimize release of pollutants to the MS4. The Wastewater Treatment Plant, Recycling Center, and Fleet Maintenance building are all examples of high priority facilities. Results from all inspections will be documented and archived.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
High priority facility inspections	<p>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.</p> <p>The results of 100% of the inspections and observations must be documented and available for review by the TCEQ each year</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Inspect high priority facilities to ensure BMPs are maintained, and SOPs are implemented.	Design and begin implementation of high priority facilities inspection program.	Dec 2025
2	Inspect high priority facilities to ensure BMPs are maintained, and SOPs are implemented.	Perform an annual inspection of 100% of high priority facilities.	Dec 2026
3	Inspect high priority facilities to ensure BMPs are maintained, and SOPs are implemented.	Perform an annual inspection of 100% of high priority facilities.	Dec 2027
4	Inspect high priority facilities to ensure BMPs are maintained, and SOPs are implemented.	Perform an annual inspection of 100% of high priority facilities.	Dec 2028
5	Inspect high priority facilities to ensure BMPs are maintained, and SOPs are implemented.	Perform an annual inspection of 100% of high priority facilities.	Dec 2029

6.23: Pesticide, Herbicide, and Fertilizer Management

Summary:

The City will ensure that all team members applying pesticides, herbicides, and fertilizers are either licensed or properly trained by a licensed applicator. A list of all licensed applicators will be maintained and available for review upon request.

Supporting Departments: Parks and Recreation

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Pesticide, herbicide, and fertilizer applicator and distributor measures	Require 100% of pesticide, herbicide, and fertilizer applicators and distributors working in the public spaces owned and operated by the permittee, including contract workers, to demonstrate at least one of the following each year: <ul style="list-style-type: none"> • Training in application or distribution • Permit to apply or distribute • Certification for application or distribution

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	The City will ensure that all chemical application personnel are properly trained and/or permitted to apply pesticides, herbicides, and fertilizers.	100% of city staff or contract workers tasked with pesticide, herbicide, and fertilizer application is properly trained and/or permitted.	Dec 2025
2	The City will ensure that all chemical application personnel are properly trained and/or permitted to apply pesticides, herbicides, and fertilizers.	100% of city staff or contract workers tasked with pesticide, herbicide, and fertilizer application is properly trained and/or permitted.	Dec 2026
3	The City will ensure that all chemical application personnel are properly trained and/or permitted to apply pesticides, herbicides, and fertilizers.	100% of city staff or contract workers tasked with pesticide, herbicide, and fertilizer application is properly trained and/or permitted.	Dec 2027
4	The City will ensure that all chemical application personnel are properly trained and/or permitted to apply pesticides, herbicides, and fertilizers.	100% of city staff or contract workers tasked with pesticide, herbicide, and fertilizer application is properly trained and/or permitted.	Dec 2028
5	The City will ensure that all chemical application personnel are properly trained and/or permitted to apply pesticides, herbicides, and fertilizers.	100% of city staff or contract workers tasked with pesticide, herbicide, and fertilizer application is properly trained and/or permitted.	Dec 2029

6.24: Landscape Maintenance

Summary:

The City will conduct an annual review of landscape maintenance practices and materials used in City-owned and operated public spaces to reduce the introduction of pollutants into the MS4.

Supporting Department: Parks and Recreation

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Landscape maintenance	Evaluate at least one time each year the materials used, and activities performed on 100% of the public spaces owned and operated by the permittee for pollution prevention opportunities such as: <ul style="list-style-type: none"> • parks, • schools, • golf courses, • easements, • public rights of way, and other open spaces.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Review landscape maintenance procedures and materials used.	Revise City landscape maintenance activities and materials annually to minimize pollution potential.	Dec 2025
2	Review landscape maintenance procedures and materials used.	Revise City landscape maintenance activities and materials annually to minimize pollution potential.	Dec 2026
3	Review landscape maintenance procedures and materials used.	Revise City landscape maintenance activities and materials annually to minimize pollution potential.	Dec 2027
4	Review landscape maintenance procedures and materials used.	Revise City landscape maintenance activities and materials annually to minimize pollution potential.	Dec 2028
5	Review landscape maintenance procedures and materials used.	Revise City landscape maintenance activities and materials annually to minimize pollution potential.	Dec 2029

6.25: Non-chemical Solutions

Summary:

The City will ensure that agricultural chemicals are applied responsibly, in accordance with Texas Department of Agriculture and EPA guidelines and permit restrictions. If precipitation is expected within 24 hours, the City will avoid applying these chemicals.

Supporting Department: Parks and Recreation

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Non-chemical solutions	<p>Utilize at least one of the following non-chemical solutions each year in 100% of the public spaces owned and operated by the permittee:</p> <ul style="list-style-type: none"> • Use of native plants or xeriscaping in 10% of each public space's landscaping area; • Keep clippings and leaves out the small MS4 and the street by implementing mulching, composting, or landfilling; • Limit application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions; or • Reduce mowing of grass frequency to allow for greater pollutant removal but not jeopardizing motorist safety. <p>If it is not feasible for the small MS4 operator to implement at least one of these measures in one or more public spaces owned and operated by the permittee, written documentation of the reason must be maintained and made available to the TCEQ upon request.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	The city will restrict city team members from chemical application if precipitation is forecasted.	Limit application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions, in 100% of City-owned spaces.	Dec 2025
2	The city will restrict city team members from chemical application if precipitation is forecasted.	Limit application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions, in 100% of City-owned spaces.	Dec 2026
3	The city will restrict city team members from chemical application if precipitation is forecasted.	Limit application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions, in 100% of City-owned spaces.	Dec 2027
4	The city will restrict city team members from chemical application if precipitation is forecasted.	Limit application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions, in 100% of City-owned spaces.	Dec 2028
5	The city will restrict city team members from chemical application if precipitation is forecasted.	Limit application of pesticides and fertilizers if precipitation is forecasted within 24 hours, or as specified in label instructions, in 100% of City-owned spaces.	Dec 2029

6.26: Chemical Application Schedules

Summary:

The City will develop and follow pesticide, herbicide, and fertilizer application schedules and maintain records of chemical use.

Supporting Department: Parks and Recreation

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Schedules for chemical application	Develop and implement chemical application schedules for use in 100% of applicable public spaces owned and operated by the permittee each year. Schedules must minimize the discharge of pollutants from the chemical application due to irrigation and expected precipitation.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop chemical application schedules.	No goals for this year, developing and implementing chemical application schedules.	Dec 2025
2	Follow established chemical application schedules.	Implement chemical application schedules for use in 100% of applicable public spaces owned and operated by the permittee each year.	Dec 2026
3	Follow established chemical application schedules.	Implement chemical application schedules for use in 100% of applicable public spaces owned and operated by the permittee each year.	Dec 2027
4	Follow established chemical application schedules.	Implement chemical application schedules for use in 100% of applicable public spaces owned and operated by the permittee each year.	Dec 2028
5	Follow established chemical application schedules.	Implement chemical application schedules for use in 100% of applicable public spaces owned and operated by the permittee each year.	Dec 2029

6.27: Pesticide, Herbicide, and Fertilizer Disposal

Summary:

Every year, all expired or unusable pesticides, herbicides, and fertilizers owned by the City will be gathered and disposed of safely.

Supporting Departments: Parks and Recreation, General Services

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Collection and disposal of pesticides, herbicides, and fertilizers	Ensure collection and proper disposal of 100% of the permittee's unusable pesticides, herbicides, and fertilizers each year.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Proper disposal of agricultural chemicals.	100% of City-owned unusable pesticides, herbicides, and fertilizers will be collected and properly disposed of each year.	Dec 2025
2	Proper disposal of agricultural chemicals.	100% of City-owned unusable pesticides, herbicides, and fertilizers will be collected and properly disposed of each year.	Dec 2026
3	Proper disposal of agricultural chemicals.	100% of City-owned unusable pesticides, herbicides, and fertilizers will be collected and properly disposed of each year.	Dec 2027
4	Proper disposal of agricultural chemicals.	100% of City-owned unusable pesticides, herbicides, and fertilizers will be collected and properly disposed of each year.	Dec 2028
5	Proper disposal of agricultural chemicals.	100% of City-owned unusable pesticides, herbicides, and fertilizers will be collected and properly disposed of each year.	Dec 2029

6.28: Evaluation of Flood Control Projects

Summary:

The City will continue to assess flood control projects and the impacts of these projects on local water bodies. Additionally, the City will ensure that all new flood control measures are designed, constructed, and maintained in a manner that minimizes erosion and pollution. Existing controls will be assessed and retrofitted as needed.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Evaluation of flood control projects	<p>Assess the impacts of the receiving water(s) for 100% of the flood control projects each year.</p> <p>100% of new flood control structures must be designed, constructed, and maintained to provide erosion prevention and pollutant removal from stormwater.</p> <p>The retrofitting of 20% of the existing structural flood control devices each year to provide additional pollutant removal from stormwater shall be implemented unless infeasible.</p> <ul style="list-style-type: none"> If it is not feasible for the small MS4 operator to retrofit 20% of the existing control devices each year, written documentation of the reason must be maintained and made available to the TCEQ for review upon request.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goals	Due Date
1	Evaluate all flood control structures and projects to assess effectiveness and install new flood control measures to reduce pollution.	Assess impacts on receiving water(s) for 100% of the flood control projects each year. Assess 20% of existing control devices each year and retrofit as needed.	Dec 2025
2	Evaluate all flood control structures and projects to assess effectiveness and install new flood control measures to reduce pollution.	Assess impacts on receiving water(s) for 100% of the flood control projects each year. Assess 20% of existing control devices each year and retrofit as needed.	Dec 2026
3	Evaluate all flood control structures and projects to assess effectiveness and install new flood control measures to reduce pollution.	Assess impacts on receiving water(s) for 100% of the flood control projects each year. Assess 20% of existing control devices each year and retrofit as needed.	Dec 2027
4	Evaluate all flood control structures and projects to assess effectiveness and install new flood control measures to reduce pollution.	Assess impacts on receiving water(s) for 100% of the flood control projects each year. Assess 20% of existing control devices each year and retrofit as needed.	Dec 2028
5	Evaluate all flood control structures and projects to assess effectiveness and install new flood control measures to reduce pollution.	Assess impacts on receiving water(s) for 100% of the flood control projects each year. Assess 20% of existing control devices each year and retrofit as needed.	Dec 2029

MCM 7: Industrial Stormwater Sources

General Permit Requirement: Part IV.D.7(a&b)

(a) Permittees who operate Level 4 small MS4s shall identify and control pollutants in stormwater discharges to the small MS4 from the permittee’s landfills; other treatment, storage, or disposal facilities for municipal waste (for example, transfer stations and incinerators); hazardous waste treatment, storage, disposal and recovery facilities and facilities that are subject to Emergency Planning and Community Right-to-Know Act (EPCRA) Title III, Section 313; and any other industrial or commercial discharge the permittee determines are contributing a substantial pollutant loading to the small MS4.

(b) The program must include priorities and procedures for inspections and for implementing control measures for such industrial discharges.

7.1: Industrial Facility Review and Inventory

Summary:

The City will keep an up-to-date inventory of all industrial facilities within its limits. This inventory will be reviewed and updated annually to ensure the data remains accurate.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Identify all industrial facilities	Identify and control pollutants in stormwater discharges to the small MS4 from 100% of the permittee’s landfills; other treatment, storage, or disposal facilities for municipal waste (for example, transfer stations and incinerators); hazardous waste treatment, storage, disposal and recovery facilities and facilities that are subject to Emergency Planning and Community Right-to-Know Act (EPCRA) Title III, Section 313; and any other industrial or commercial discharge the permittee determines are contributing a substantial pollutant loading to the small MS4.

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Identify and document potential sources of pollution in all industrial facilities in Round Rock.	Develop registry of 100% of industrial facilities and related pollutants.	Dec 2025
2	Identify and document potential sources of pollution in all industrial facilities in Round Rock.	Maintain a registry of 100% of industrial facilities and related pollutants. Revise annually.	Dec 2026
3	Identify and document potential sources of pollution in all industrial facilities in Round Rock.	Maintain a registry of 100% of industrial facilities and related pollutants. Revise annually.	Dec 2027
4	Identify and document potential sources of pollution in all industrial facilities in Round Rock.	Maintain a registry of 100% of industrial facilities and related pollutants. Revise annually.	Dec 2028
5	Identify and document potential sources of pollution in all industrial facilities in Round Rock.	Maintain a registry of 100% of industrial facilities and related pollutants. Revise annually.	Dec 2029

7.2: Industrial Facility Inspection Program

Summary:

The City will conduct annual inspections of all industrial facilities for pollutant discharge into the MS4. The findings from each inspection will be documented and stored.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Inspect all industrial facilities annually	<p>Inspect 100% of small MS4 owned and operated facilities described by Part IV.D.7.(a) at least one time annually.</p> <p>Inspect 100% of industrial facilities permitted under the TPDES MSGP, TXR050000, and located within the small MS4 area at least one time annually.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop industrial facility inspection program and begin to implement new inspection protocols.	Complete program development and begin implementation by end of calendar year 2025.	Dec 2025
2	Implement established industrial facility inspection procedures.	Inspect 100% of industrial facilities annually.	Dec 2026
3	Implement established industrial facility inspection procedures.	Inspect 100% of industrial facilities annually.	Dec 2027
4	Implement established industrial facility inspection procedures.	Inspect 100% of industrial facilities annually.	Dec 2028
5	Implement established industrial facility inspection procedures.	Inspect 100% of industrial facilities annually.	Dec 2029

7.3: Industrial Facility SOPs

Summary:

The City will create and document standard operating procedures (SOPs) for inspections of each industrial facility identified in BMP 7.1: Industrial Facilities Review and Inventory. These facility-specific inspection SOPs will be reviewed and updated annually.

From TPDES 2024 TXR040000 General Permit:

Activity/BMP	Measurable Goal
Development of industrial facility SOPs	<p>Develop and implement SOPs for 100% of inspections of facilities as described by Part IV.D.7.(b) and industrial facilities permitted under the TPDES MSGP, TXR050000, and within the small MS4 area.</p> <p>Review and update the facility inspection SOPs at least one time annually to address changes or additions.</p>

City of Round Rock 2025-2029 BMP:

Permit Year	Activity	Measurable Goal	Due Date
1	Develop industrial facility inspection procedures and control measures specific to each facility.	Complete program development and begin implementation by end of calendar year 2025.	Dec 2025
2	Implement established industrial facility inspection SOPs.	Review facility-specific inspection SOPs once annually.	Dec 2026
3	Implement established industrial facility inspection SOPs.	Review facility-specific inspection SOPs once annually.	Dec 2027
4	Implement established industrial facility inspection SOPs.	Review facility-specific inspection SOPs once annually.	Dec 2028
5	Implement established industrial facility inspection SOPs.	Review facility-specific inspection SOPs once annually.	Dec 2029

Acronyms

303d	-	Refers to Section 303d of the CWA requiring a listing of impaired waters
BMP	-	Best Management Practice
CGP	-	Construction General Permit
CFR	-	Code of Federal Regulations
CWA	-	Clean Water Act
DACS	-	City of Round Rock's Design and Construction Standards
EAR	-	Edwards Aquifer Rule
EARZ	-	Edwards Aquifer Recharge Zone
ETJ	-	Extraterritorial Jurisdiction
EPA	-	Environmental Protection Agency
GIS	-	Geographic Information System
Hazmat	-	Hazardous Materials
HHW	-	Household Hazardous Waste
I-Plan	-	Implementation Plan associated with a TMDL
MCM	-	Minimum Control Measure
MEP	-	Maximum Extent Practicable
MS4	-	Municipal Separate Storm Sewer System
MSGP	-	Multi Sector General Permit
NPDES	-	National Pollution Discharge Elimination System
NOC	-	Notice of Change
NOI	-	Notice of Intent
NOT	-	Notice of Termination
O&M	-	Operation and Maintenance
PSA	-	Public Service Announcements
ROW	-	Right of Way
SOP	-	Standard Operating Procedure
SPRP	-	Spill Prevention and Response Plan
SWMP	-	Storm Water Management Program
SWP3	-	Storm Water Pollution Prevention Plan
TAC	-	Texas Administrative Code
TCEQ	-	Texas Commission on Environmental Quality
TMDL	-	Total Maximum Daily Load
TPDES	-	Texas Pollution Discharge Elimination System
WPAP	-	Water Pollution Abatement Plan