



CITY OF WICHITA FALLS

**STORMWATER
MANAGEMENT PROGRAM**

**TPDES PHASE II LEVEL 3 MS4
TXR040036**

JANUARY 2024

OVERVIEW OF PHASE II PROGRAM

PERMIT HISTORY

Since the passage of the Clean Water Act (CWA) in 1972, the quality of our nation's water has improved significantly. However, despite this progress, some water bodies remain impaired. A major contributor to this issue is polluted runoff from urban and suburban areas. Often, this polluted stormwater runoff is directed into Municipal Separate Storm Sewer Systems (MS4s) and eventually discharged into local rivers and streams without treatment.

To address this, the Environmental Protection Agency (EPA) established Phase I of the National Pollutant Discharge Elimination System (NPDES) stormwater program in 1990. This phase required operators of medium and large MS4s, serving populations of 100,000 or more, to manage and control polluted discharges. Phase II of the program extended these requirements to certain small MS4s in urbanized areas, as defined by the Census Bureau, and on a case-by-case basis for other small MS4s. Cities designated as Phase I will retain that designation permanently, and no new large cities will be added to Phase I. Similarly, cities currently regulated under Phase II will remain so indefinitely, and any new cities subject to stormwater regulations will be classified under Phase II, regardless of their population.

In September 1998, the EPA authorized Texas to develop and implement its own stormwater program, the Texas Pollutant Discharge Elimination System (TPDES), which includes managing both Phase I and Phase II MS4 permits. The Texas Commission on Environmental Quality (TCEQ) issues a general permit for Phase II MS4s that allows stormwater and certain non-stormwater discharges to surface water. This permit requires the submission of a Notice of Intent (NOI), a Stormwater Management Plan (SWMP), and mandates recordkeeping and reporting throughout the five-year permit cycle. The TCEQ first released its MS4 General Permit in August 2007 and has renewed it in December 2013, January 2019, and again in August 2024.

STORMWATER MANAGEMENT PLAN REQUIREMENTS

Operators of Phase II MS4s must develop stormwater management programs that meet three key objectives: reduce pollutant discharge to the maximum extent practicable (MEP), protect water quality, and comply with the Clean Water Act's requirements. Achieving the MEP standard involves creating and implementing best management practices (BMPs) and reaching measurable goals across seven minimum control measures (MCMs). Addressing these MCMs collectively is expected to significantly cut pollutant discharge into water bodies. The six MCMs are:

1. Public Education and Outreach
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination (IDDE)
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management in New Development and Redevelopment
6. Pollution Prevention and Good Housekeeping for Municipal Operations

RECORDKEEPING AND REPORTING REQUIREMENTS

A primary component of the MS4 general permit is recordkeeping that allows for periodic evaluation of the management plan and for annual reporting to the TCEQ on the status of the plan. Specifically, Phase II MS4s are required to:

- Retain all records, a copy of the TCEQ general permit, and records of all data used to complete the NOI for a period of three years or for the term of the TCEQ permit, whichever is longer.
- Retain a copy of the SWMP at a location accessible to the TCEQ.
- Make the records, including the NOI and SWMP, available to the public in requested to do so, in writing. The SWMP must be made available within ten (10) working days from receipt of a written request. Other records must be provided in accordance with the Texas Public Information Act. Reasonable charge, in accordance with Texas law, may be levied by the permittee for researching and preparing any requested materials.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

The general reporting requirement for MS4s include:

Noncompliance Notification – The City of Wichita Falls will report to TCEQ immediately upon becoming aware of the occurrence of any illicit flows believed to be an immediate threat to human health or environment, in accordance with 30 TAC chapter 305.125(). Oral and /or facsimile notification of the noncompliance must be made within 24 hours of becoming aware of the issue. A written report must be provided to the TCEQ within five working days. Additionally, the MS4 must promptly submit to TCEQ any facts or information relevant to an NOI, Notice of Termination (NOT), Notice of Change (NOC), or any other report.

Annual Report – MS4s must submit a concise annual report to the TCEQ Executive Director within 90 days of the end of the reporting period. Each reporting period will end on December 31st, and an annual report will be submitted 90 days thereafter. A copy of the annual report must be readily available for review by authorized TCEQ personnel and posted on the City's Stormwater Management webpage. The report generally includes:

- The status of the compliance with permit conditions, an assessment of the appropriateness of the identified activities/BMPs, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals;
- A summary of the results of information collected and analyzed, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP;
- If applicable for receiving water bodies, a summary of any activities taken to address the discharge to impaired water bodies, including a summary of the small MS4s BMPs used to

address the pollutant of concern, and if sampling was conducted include the sampling results;

- A summary of the stormwater activities the small MS4 operator plans to undertake during the next reporting year;
- Proposed changes to the SWMP, including changes to any activities/BMPs or any identified measurable goals that apply to the program elements;
- A description and schedule for implementation of additional activities/BMP's that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans. For water bodies that are listed as impaired after discharge authorization pursuant to Part III., include a list of such water bodies and the pollutant(s) causing the impairment, and a summary of any actions taken to comply with the requirements of Part III.;
- Notice that the small MS4 operator is relying on another government entity to satisfy some of its permit obligations (if applicable);
- The number of construction activities where the small MS4 is the operator and authorized under the optional 8th MCM, including the total number of acres disturbed; and
- The number of construction activities that occurred within the jurisdictional area of the small MS4 (as noticed to the permittee by the construction operator), and that were not authorized under the optional 8th MCM.

A copy of the TPDES General Permit No. TXR040000 is included in the Appendix of this document.

THE CITY OF WICHITA FALLS RESPONSE

As a Phase II MS4, the City of Wichita Falls is required to develop a Stormwater Management Plan (SWMP) that describes specific actions that will be taken over a five-year period to reduce pollutants and protect Wichita Falls' stormwater quality to the MEP. These activities are addressed in the BMPs contained in the following pages of this document. The SWMP also sets measurable goals and provides a proposed schedule for the implementation of the BMPs. The City of Wichita Falls intends to fully comply with all recordkeeping and reporting requirements of the MS4 general permit.

Copies of the Texas Commission on Environmental Quality Executive Director's General Permit TXR040000 and Fact Sheet, and City Stormwater Management program can be requested in person or in writing by contacting the Environmental Coordinator:

Drew Begley
Environmental Coordinator
1300 7th Street
Wichita Falls, Texas 76301
(940) 761-7670

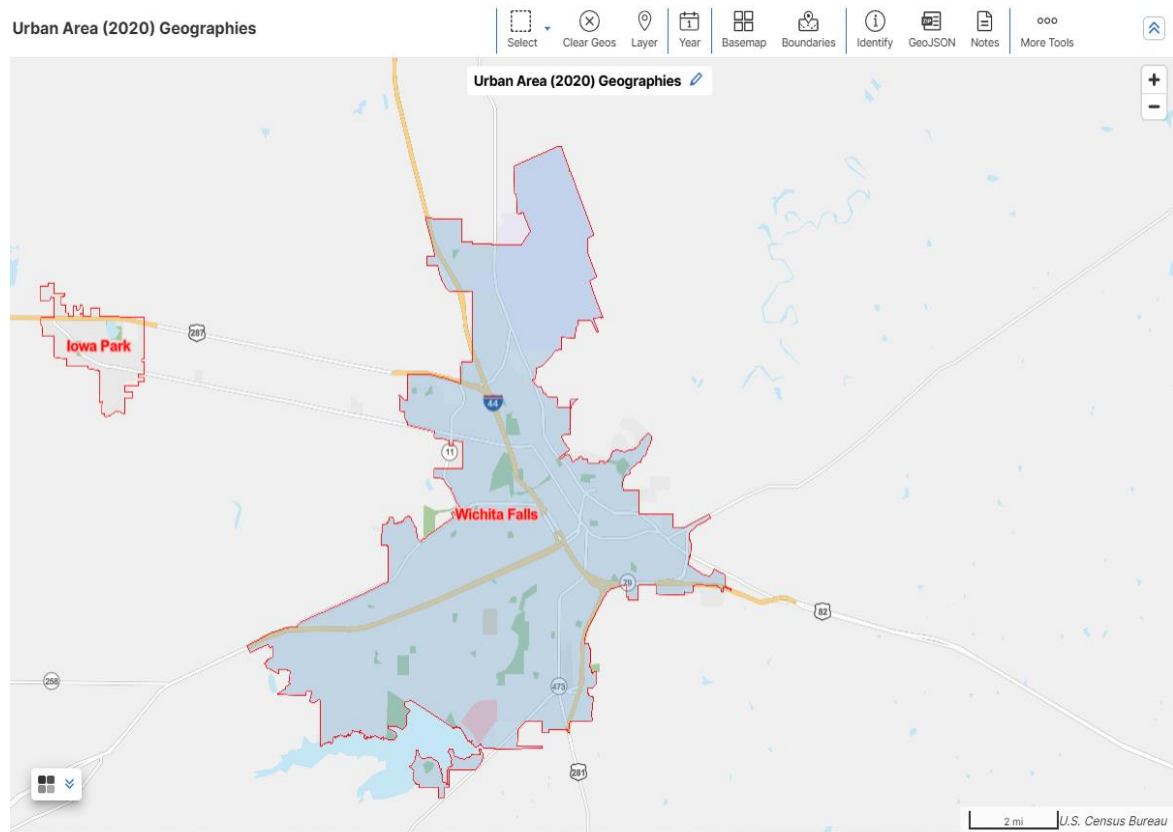
Additionally, requests can be made by email: drew.begley@wichitafallstx.gov or by accessing the documents through the Internet by visiting the City of Wichita Falls Stormwater Management Website <http://www.wichitafallstx.gov/1558/Storm-Water-Management>..

Copies of requested materials shall be provided, or post marked, within 48 hours of request. The greatest effort shall be made to ensure documents provided over the Internet are current, and the same as documents requested in writing.

URBAN AREA

| | |
|---|------------------------------|
| TIGERweb - Info - Google C... | |
| tigerweb.geo.census.gov/tigerweb2020/i... | |
| United States Census Bureau TIGERweb Geography Division | |
| Geographic Identifier | 95104 |
| Name | Wichita Falls, TX Urban Area |
| Urban Area Code | 95104 |
| Base Name | Wichita Falls, TX |
| Legal/Statistical Area Description Code | 67 |
| MTFCC | G3500 |
| Functional Status | S |
| Decennial Population Count | 97039 |
| Decennial Housing Count | 42923 |
| Centroid Latitude | +33.9049001 |
| Centroid Longitude | -098.5188678 |
| Internal Point Latitude | +33.9049001 |
| Internal Point Longitude | -098.5188678 |
| Land Area (Square Meters) | 131530216 |
| Water Area (Square Meters) | 0 |
| MAF/TIGER OID | 27021214127845 |
| ALANDHIST | 131530216 |
| AWATERHIST | 0 |
| EFFDATE | N/A |
| ESTABDATE | N/A |
| VINTAGE | 21 |
| STGEOMETRY.AREA | 191431318.188361 |
| STGEOMETRY.LEN | 146264.975259 |

Urban Area (2020) Geographies



DEFINITIONS

Arid Areas – Areas with an average annual rainfall of less than ten inches.

Benchmarks – A benchmark pollutant value is a guidance level indicator that helps determine the effectiveness of chosen best management practices (BMPs). This type of monitoring differs from “compliance monitoring” in that exceedance of the indicator or benchmark level are not permit violations, but rather indicators that can help identify problems at the Municipal Separate Storm Sewer System (MS4) with exposed or unidentified pollutant sources; or control measures that are either not working correctly, whose effectiveness need to be re-considered, or that need to be supplemented with additional BMP(s).

Best Management Practices (BMPs) – Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spills or leaks, waste disposal, or drainage from raw material storage areas.

Catch Basins – Storm drain inlets and curb inlets to the storm drain system. Catch basins typically include a grate or curb inlet that may accumulate sediment, debris, and other pollutants.

Classified Segment – A water body that is listed and described in Appendix A or Appendix C of the Texas Surface Water Quality Standards, at 30 Texas Administrative Code (TAC) § 307.10.

Clean Water Act (CWA) – The Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972, Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483, and Pub. L. 97-117, 33 U.S.C. 1251 et. seq.

Common Plan of Development or Sale – A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development or sale is identified by the documentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests, or other similar documentation and activities.

Construction Activity – Soil disturbance, including clearing, grading, excavating, and other construction related activities (e.g., stockpiling of fill material and demolition); and not including routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (e.g., the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities). Regulated construction activity is defined in terms of small and large construction activity.

Small Construction Activity is construction activity that results in land disturbance of equal to or greater than one acre and less than five acres of land. Small construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one and less than five acres of land. Large Construction Activity is

construction activity that results in land disturbance of equal to or greater than five acres of land.

Large construction activity also includes the disturbance of less than five acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five acres of land

Construction Site Operator – The entity or entities associated with a small or large construction project that meet(s) either of the following two criteria:

- a) The entity or entities that have operational control over construction plans and specifications (including approval of revisions) to the extent necessary to meet the requirements and conditions of this general permit; or
- b) The entity or entities that have day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a stormwater pollution prevention plan (SWP3) for the site or other permit conditions (for example they are authorized to direct workers at a site to carry out activities required by the SWP3 or comply with other permit conditions).

Control Measure – Any BMP or other method used to prevent or reduce the discharge of pollutants to water in the state.

Conveyance – Curbs, gutters, man-made channels and ditches, drains, pipes, and other constructed features designed or used for flood control or to otherwise transport stormwater runoff.

Discharge – When used without a qualifier, refers to the discharge of stormwater runoff or certain non-stormwater discharges as allowed under the authorization of this general permit.

Edwards Aquifer – As defined in 30 TAC § 213.3 (relating to the Edwards Aquifer), that portion of an arcuate belt of porous, water-bearing, predominantly carbonate rocks known as the Edwards and Associated Limestones in the Balcones Fault Zone trending from west to east to northeast in Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties; and composed of the Salmon Peak Limestone, McKnight Formation, West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, Edwards Formation, and Georgetown Formation. The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut Formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally.

Edwards Aquifer Recharge Zone – Generally, that area where the stratigraphic units constituting the Edwards Aquifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as that area designated as such on official maps located on the TCEQ website or in the offices of the TCEQ.

Final Stabilization – A construction site where any of the following conditions are met:

- a) All soil disturbing activities at the site have been completed and a uniform (for example, evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent (%) of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.
- b) For individual lots in a residential construction site by either:
 - 1) The homebuilder completing final stabilization as specified in condition (a) above; or
 - 2) The homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization.
- c) For construction activities on land used for agricultural purposes (for example pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to a surface water and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.
- d) In arid, semi-arid, and drought-stricken areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:
 - 1) Temporary erosion control measures (e.g., degradable rolled erosion control product) are selected, designed, and installed along with an appropriate seed base to provide erosion control for at least three years without active maintenance by the operator, and
 - 2) The temporary erosion control measures are selected, designed, and installed to achieve 70 percent (%) vegetative coverage within three years.

General Permit – A permit issued to authorize the discharge of waste into or adjacent to water in the state for one or more categories of waste discharge within a geographical area of the state or the entire state as provided by Texas Water Code (TWC) § 26.040.

Groundwater Infiltration – For the purposes of this permit, groundwater that enters a municipal separate storm sewer system (including sewer service connections and foundation drains) through such means as defective pipes, pipe joints, connections, or manholes.

High Priority Facilities – High priority facilities are facilities with a high potential to generate stormwater pollutants. These facilities must include, at a minimum, the MS4 operator's maintenance yards, hazardous waste facilities, fuel storage locations, and other facilities where chemicals or other materials have a high potential to be discharged in stormwater. Among the factors that must be considered when giving a facility a high priority ranking are: the amount of urban pollutants stored at the site, the identification of improperly stored materials, activities that must not be performed outside (for example, changing automotive fluids, vehicle washing), proximity to water bodies, proximity to sensitive aquifer recharge features, poor housekeeping practices, and discharge of pollutant(s) of concern to impaired water(s).

Hyperchlorinated Water – Water resulting from hyperchlorination of waterlines or vessels, with a chlorine concentration greater than 10 milligrams per liter (mg/L).

Illicit Connection – Any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.

Illicit Discharge – Any discharge to an MS4 that is not entirely composed of stormwater, except discharges pursuant to this general permit or a separate authorization and discharges resulting from emergency fire-fighting activities.

Impaired Water – A surface water body that is identified as impaired on the latest U.S. Environmental Protection Agency (EPA) approved Clean Water Act (CWA) § 303(d) List or waters with an EPA approved or established TMDL that are found on the latest EPA approved Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d) which lists the category 4 and 5 water bodies.

Implementation Plan (I-Plan) – A detailed plan of action that describes the measures or activities necessary to achieve the pollutant reductions identified in the total maximum daily load (TMDL).

Indian Country – Defined in 18 U.S.C. § 1151 as:

- a) All land within the limits of any Indian reservation under the jurisdiction of the United States (U.S.) Government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation;
- b) All dependent Indian communities within the borders of the U.S. whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a state; and
- c) All Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same. This definition includes all land held in trust for an Indian tribe.

Indicator Pollutant – An easily measured pollutant, that may or may not impact water quality that indicates the presence of other stormwater pollutants.

Industrial Activity – Any of the ten categories of industrial activities included in the definition of “stormwater discharges associated with industrial activity” as defined in 40 Code of Federal Regulations (CFR) § 122.26(b)(14)(i)-(ix) and (xi).

Infeasible – For the purpose of this permit, infeasible means not technologically possible, or not economically practicable and achievable in light of best industry practices. The TCEQ notes that it does not intend for any small MS4 general permit requirement to conflict with state water right laws.

Maximum Extent Practicable (MEP) – The technology-based discharge standard for MS4s to reduce pollutants in stormwater discharges that was established by the CWA § 402(p). A discussion of MEP as it applies to small MS4s is found in 40 CFR § 122.34.

MS4 Operator – For the purpose of this permit, the public entity or the entity contracted by the public entity, responsible for management and operation of the small municipal separate storm sewer system that is subject to the terms of this general permit.

Municipal Separate Storm Sewer System (MS4) – A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

- a) Owned or operated by the U.S., a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under the CWA § 208 that discharges to surface water in the state;
- b) That is designed or used for collecting or conveying stormwater;
- c) That is not a combined sewer; and
- d) That is not part of a publicly owned treatment works (POTW) as defined in 40 CFR § 122.2.

Non-traditional Small MS4 – A small MS4 that often cannot pass ordinances and may not have the enforcement authority like a traditional small MS4 would have to enforce the stormwater management program. Examples of non-traditional small MS4s include counties, transportation authorities (including the Texas Department of Transportation), municipal utility districts, drainage districts, military bases, prisons, and universities.

Notice of Change (NOC) – A written notification from the permittee to the executive director providing changes to information that was previously provided to the agency in a Notice of Intent.

Notice of Intent (NOI) – A written submission to the executive director from an applicant requesting coverage under this general permit.

Notice of Termination (NOT) – A written submission to the executive director from a permittee authorized under a general permit requesting termination of coverage under this general permit.

Outfall – A point source at the point where a small MS4 discharges to Waters of the U.S. and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances that connect segments of the same stream or other Waters of the U.S. and are used to convey Waters of the U.S. For the purpose of this permit, sheet flow leaving a linear transportation system without channelization is not considered an outfall. Point sources such as curb cuts; traffic or right-of-way barriers with drainage slots that drain into open culverts, open swales, or an adjacent property, or otherwise not actually discharging into Waters of the U.S. are not considered an outfall.

Permittee – The MS4 operator authorized under this general permit.

Point Source – (from 40 CFR § 122.22) any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff.

Pollutant(s) of Concern (POCs) – For the purpose of this permit, includes biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended solids (TSS), turbidity or siltation), pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment of any water body that will receive a discharge from an MS4. (Definition from 40 CFR § 122.32(e)(3)).

Redevelopment – Alterations of a property that changed the “footprint” of a site or building in such a way that there is a disturbance of equal to or greater than one acre of land. This term does not include such activities as exterior remodeling, routine maintenance activities, and linear utility installation.

Semiarid Areas – Areas with an average annual rainfall of at least ten inches, but less than 20 inches.

Small Municipal Separate Storm Sewer System (MS4) – A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains):

- a) Owned or operated by the U.S., a state, city, town, borough, county, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under CWA § 208;
- b) Designed or used for collecting or conveying stormwater;
- c) Which is not a combined sewer;
- d) Which is not part of a POTW as defined in 40 CFR § 122.2; and
- e) Which was not previously regulated under a National Pollutant Discharge Elimination System (NPDES) or a Texas Pollutant Discharge Elimination System (TPDES) individual permit as a medium or large municipal separate storm sewer system, as defined in 40 CFR §§ 122.26(b)(4) and (b)(7).

This term includes systems similar to separate storm sewer systems at military bases, large hospitals or prison complexes, and highways and other thoroughfares. This term does not include separate storm sewers in very discrete areas, such as individual buildings. For the purpose of this permit, a very discrete system also includes storm drains associated with certain municipal offices and education facilities serving a nonresidential population, where those storm drains do not function as a system, and where the buildings are not physically interconnected to a small MS4 that is also operated by that public entity.

Stormwater and Stormwater Runoff – Rainfall runoff, snow melt runoff, and surface runoff and drainage.

Stormwater Associated with Construction Activity – Stormwater runoff from an area where there is either a large construction or a small construction activity.

Stormwater Management Program (SWMP) – A comprehensive program to manage the quality of discharges from the MS4.

Structural Control (or Practice) – A pollution prevention practice that requires the construction of a device, or the use of a device, to capture or prevent pollution in stormwater runoff. Structural controls and practices may include but are not limited to wet ponds, bioretention, infiltration basins, stormwater wetlands, silt fences, earthen dikes, drainage swales, vegetative lined ditches, vegetative filter strips, sediment traps, check dams, subsurface drains, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Surface Water in the State – Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits of the state (from the mean high water mark (MHW) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or non-navigable, and including the beds and banks of all water courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state. Waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

Total Maximum Daily Load (TMDL) – The total amount of a substance that a water body can assimilate and still meet the Texas Surface Water Quality Standards.

Traditional Small MS4 – A small MS4 that can pass ordinances and have the enforcement authority to enforce the stormwater management program. An example of traditional MS4s includes cities.

Urban Area – A statistical geographic entity consisting of a densely settled core created from census blocks and contiguous qualifying territory that together have at least 2,000 housing units or 5,000 persons as defined and used by the U.S. Census Bureau in the 2020 Decennial Census.

Urbanized Area (UA) – A retired statistical geographic entity type consisting of a densely settled core created from census tracts or blocks and adjacent densely settled territory that together have a minimum population of 50,000 people which was used by the U.S. Census Bureau in the 2000 and the 2010 Decennial Census.

Waters of the United States – Waters of the United States or Waters of the U.S. means the term as defined in 40 CFR § 122.2

LIST OF ABBREVIATIONS

| | |
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| BMP | Best Management Practices |
| CFR | Code of Federal Regulations |
| CAD | Computer-Aided Design |
| CSN | Construction Site Notice |
| EPA | Environmental Protection Agency |
| GPS | Global Positioning System |
| GIS | Graphical Information System |
| HR | Human Resources |
| IDDE | Illicit Discharge Detection and Elimination |
| MEP | Maximum Extent Possible |
| MCM | Minimal Control Measure |
| MS4 | Municipal Separate Storm Sewer System |
| NPDES | National Pollutant Discharge Elimination System |
| NEC | No Exposure Certification |
| NOC | Notice of Change |
| NOI | Notice of Intent |
| NOT | Notice of Termination |
| NOV | Notice of Violation |
| PSA | Public Service Announcement |
| SSO | Sanitary Sewer Overflow |
| SWMP | Storm Water Management Program |
| SWP3 | Storm Water Pollution Prevention Plan |
| TCEQ | Texas Commission of Environmental Quality |
| TXDOT | Texas Department of Transportation |
| TPDES | Texas Pollutant Discharge Elimination System |
| UST | Underground Storage Tank |

BACKGROUND INFORMATION

SETTING

The City of Wichita Falls, established in 1876 and located in Wichita County, Texas, spans approximately 70.71 square miles and sits around 948 feet above sea level. It receives an average annual rainfall of 31 inches across 66 rainy days. The main drainage systems are Lake Wichita, Holiday Creek, and Plum Creek. As an urbanized area per the Census Bureau's definition, Wichita Falls is subject to Phase II Clean Water Act regulations. With a population of 97,039 as of the 2020 U.S. Census, the city is classified as a Level 3 MS4 Operator under the general permit.

LEGAL AUTHORITY

The City of Wichita Falls operates under a Council-Manager form of government, which merges the political leadership of an elected City Council with the professional management expertise of an appointed City Manager. In this system, the City Council, consisting of a mayor and six members elected in non-partisan elections for three-year terms, holds all political power and appoints the City Manager to oversee public service delivery.

The city regulates activities within its boundaries through various ordinances aimed at safeguarding the safety, health, and welfare of its residents. Several of these ordinances are relevant to the Stormwater Management Plan, including:

- Stormwater Management Ordinance
- Stormwater Quality Ordinance
- Fee Ordinance
- Grease Interceptor Ordinance
- Industrial Wastewater Ordinance

INSPECTIONS, MAINTENANCE AND ENFORCEMENT

There are several departments involved in the administration and implementation of the City's SWMP. Coordination of the SWMP is handled through the Storm Water/Pretreatment Division of the Public Works Department with ongoing assistance from other City departments.

The Departments of Development Services, County Health Department, and Engineering play key roles in implementing the SWMP. These departments encompass the activities of Code Enforcement, Building Inspections, Permitting, Health Inspections, Planning, and Engineering. Regularly scheduled plan review meetings are conducted with contractors, developers, and other property owner to regulate all development activities taking place in Wichita Falls.

The Department of Parks and Recreation is responsible for maintaining green areas of the city including parks, some greenbelts, and some medians. The Department of Parks and Recreation is also responsible for applying and managing pesticides and herbicides in public areas.

The Utilities Section of the Public Works Department is primarily responsible for providing water and sewer services in Wichita Falls. To effectively provide those services, the Utilities Section

must protect those systems from pollutants and accomplish this through the efforts of its various divisions.

The Environmental Coordinator (Industrial Pretreatment) monitors local commercial and industrial users and all direct discharges to the Publicly Owned Treatment Works (POTW) as part of the Wastewater Treatment Plant's TPDES permit and monitors the cleanup of unauthorized discharges and spills in compliance with the Texas Water Code to protect the quality of water in creeks and streams within the city limits. The Storm Water Division (MS4) is located within the Environmental Coordinator's division.

The Public Works Department (Street Department) is primarily responsible for the maintenance activities of the SWMP. The Streets Department is responsible for maintenance of the city streets, street sweeping, sidewalks, alleys, and drainage systems. The Streets Department currently maintains the city streets and the MS4 storm drainage infrastructure.

Water Distribution ensures the delivery of potable drinking water and Wastewater Collections services by maintaining wastewater collection systems.

Building and Maintenance Division is responsible for the maintenance of all city facilities. Central Services (Transportation Division) are responsible for the operation and maintenance of the fuel station and mechanic shop.

OUTREACH

The City's Public Information Office assist the Environmental Department with the dissemination of public information about various issues. Information is made available to residents and the business community through the City website, educational events, informational pamphlets/brochures and various social media sites.

PROGRAM FUNDING

The City of Wichita Falls funds the MS4 program through stormwater utility fees that are collected each month.

PLAN DEVELOPMENT PROCESS

The Stormwater program is designed to allow MS4 to develop effective management programs that fit specific needs and capabilities of the MS4 operator. This flexibility, referred to, as "maximum extent practicable" (MEP) in the regulations, is appropriate because of the uniqueness of the variable that affect what actions are needed to reduce the potential for pollution of stormwater in each MS4. Wichita Falls' SWMP has been designed to provide for assessment of existing programs in the early part of the permit term and implementation of new initiative or continuance of successful current practices throughout the remainder of the permit term.

SELECTION OF BMPs AND MEASURABLE GOALS

Selection of BMPs, measurable goals, and an implementation schedule was based on what was necessary and achievable by those parties who will be responsible for accomplishing the activities supporting the BMPs. Consideration was also given to whether inclusion of the activities in the SWMP would meet the permit requirements. Implementation of each BMP will be tracked as

required during each year of the permit. Adjustments to the BMPs and the implementation schedules will be made as necessary according to permit requirements.

The majority of the BMPs from the previous SWMP will be carried over and utilized in this version. In some instances, existing BMPs were kept, but were modified to better fit the needs of the program, and a few BMPs were removed from the SWMP altogether because they were not particularly effective, did not function as originally intended, or were deemed to be unnecessary for meeting the goals of the SWMP.

As stated previously, the SWMP was developed by and will be carried out by a joint effort of various City departments. The following City departments will be involved in the implementation of the SWMP:

- Health Department
- Engineering
- Code Enforcement
- Building Inspections
- Permitting
- Planning
- Parks and Recreation
- Public Works Department (Streets, Wastewater Collections, Environmental Coordinator)
- Transportation (Central Service)
- Building Maintenance
- Public Information Office

ASSESSMENT OF NON-STORMWATER DISCHARGES

In accordance with the requirements of the General Permit, the following non-stormwater discharges were evaluated to ascertain if any know significant water quality impacts were created as a result of the discharges. There is no knowledge of the adverse impact to stormwater quality within City limits from these listed discharges:

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

11. Individual residential vehicle washing; DRAFT Small MS4 General Permit TPDES General Permit TXR040000 Part II, Section E Page 17
12. Flows from wetlands and riparian habitats;
13. Dechlorinated swimming pool discharges that do not violate Texas Surface Water Quality Standards;
14. Street wash water excluding street sweeper wastewater;
15. Discharges or flows from emergency fire-fighting activities (emergency fire-fighting activities do not include washing of trucks, runoff water from training activities, test water from fire suppression systems, and similar activities);
16. Other allowable non-stormwater discharges listed in 40 CFR § 122.26(d)(2)(iv)(B)(1);
17. Non-stormwater discharges that are specifically listed in the TPDES Multi-Sector General Permit (MSGP) TXR050000 or the TPDES Construction General Permit (CGP) TXR150000;
18. Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
19. Other similar occasional incidental non-stormwater discharges such as spray park water, unless the TCEQ develops permits or regulations addressing these discharges.

The City of Wichita Falls does not consider any of these non-stormwater sources to be a significant contributor of pollutants to their MS4 and will therefore adopt the TCEQ's list of allowable non-stormwater discharges with no further modifications.

INDUSTRIAL STORMWATER SOURCES AND IMPAIRED WATER BODIES

As previously stated, based on 2020 U.S. Census data, the City of Wichita Falls is categorized as a Phase II Level 3 MS4 Operator under this General Permit (urban area population 97,039). Therefore, the City of Wichita Falls is not required to implement Minimum Control Measure 7 (Industrial Stormwater Sources).

The Draft 2020 Texas Integrated Report – Texas 303(d) lists segment 0219 as being impaired under category 5c due to elevated chloride, sulfate, and total dissolved solids levels. Segment 0219 is defined as Lake Wichita - from Lake Wichita Dam in Wichita County up the normal pool elevation of 980.5 feet (impounds Holliday Creek). Segment 0219 was listed on the 303(d) list during a severe drought (2014). The lake was almost dry during this time period which caused chloride, sulfate, and total dissolved solid levels to be elevated. The MS4 is not contributing to the impaired state of segment 0219. Old oil production and salt scalds above Lake Wichita in the Holiday Creek drainage are the contributors to the impairments of segment 0219.

The City of Wichita Falls has a set of approved City Standards concerning BMPs for construction activity that prevents the MS4 from being the contributor of chloride, sulfate, and total dissolved solids. The standards can be found on the city website under Engineering City Standards Erosion Control Standards. The city does not use salt during deicing events and uses expanded shale and crushed rock. The city also has a street sweeping program and also implements the General Construction Storm Water General Permit (TXR150000) which requires any construction equal to or greater than 1 acre to implement BMPs to reduce sediment runoff. The city has also been sampling Lake Wichita for chloride, sulfate and total dissolved solids monthly since 2016.

Lake Wichita - 0219
TDS, Chloride, and Sulfate

| BMP | Quantifiable target | Deadline |
|---|---|--|
| Monitor Lake Wichita for TDS, Chlorides, and Sulfate | Monthly sampling of Lake Wichita for TDS, Chlorides, and Sulfates. | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |
| Review SWP3 for all construction site greater than or equal to one acre | Document the number of all SWP3s reviewed by the MS4 annually. | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |
| Erosion Control Standards | Require all construction site greater than or equal to 1 acre to implement BMPs following the Erosion Control Standards | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |
| Ice events | Use expanded shale and rock track the total amount used annually | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |
| Street Sweeping | Sweep 100% of paved roads annually and dispose of waste properly | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |

The Draft 2020 Texas Integrated Report – Texas 303(d) lists segment 0214 as being impaired under category 5c Bacteria. Segment 0214 is defined as Wichita River Below Diversion Lake Dam – from the confluence with the Red River in Clay County to Diversion Dam in Archer County. The BMPs below are set up to make sure the MS4 is not contributing to the impaired state of segment 0214.

| Little Wichita River Below Diversion Lake Dam - 0214 Bacteria | | |
|---|--|--|
| BMP | Quantifiable target | Deadline |
| Biomonitoring of Wichita Falls Resource Recovery Facility enters the Wichita River segment 0214 AU 2. | Quarterly biomonitoring will indicate the bacteria contribution is not coming from the plant. | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |
| Track sanitary sewer overflows and clean 60 lines miles per year of sanitary sewer. | Monitoring sanitary sewer overflows and line miles cleaned will prevent bacteria introduction into segment 0214. | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |
| Dry Weather Screening | Will help locate and prevent sources of flow which could contribute bacteria. | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |
| GIS mapping of septic systems | Map all septic systems so that if a system fails it can be identified and stop. | January 2025 – December 2025 January 2026 – December 2026 January 2027 – December 2027 January 2028 – December 2028 January 2029 – December 2029 |

MCM 1: PUBLIC EDUCATION OUTREACH

An effective public education program can significantly reduce other program costs, such as inspection and enforcement costs for the illicit discharge program. Informed citizens and business owners will usually take steps to reduce potential pollution from their own activities.

Permittees shall develop 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.

Existing permittees such as Wichita Falls shall assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term.

The City of Wichita Falls will target the following audiences concerning Public Education Outreach:

| Target Audience | Target Pollutants |
|---|---|
| Residents being served | <ul style="list-style-type: none">• Grass clippings and leaf litter• Litter, trash containment• Pet Waste• Oil, Grease, fluids from vehicles• Fertilizer and pesticides |
| Schools, educational organizations, or youth service and youth groups | <ul style="list-style-type: none">• Litter, trash containment• Pet Waste |

To comply with the regulatory requirements for this program element, the following BMPs have been selected by the City of Wichita Falls:

- PE 1 MS4 website
- PE 2 Social media posts/campaign
- PE 3 Maintain or mark storm drains and inlets
- PE 4 Stormwater Literature
- PE 5 Public Service Announcements

The following BMP sheets describe individual BMPs in Wichita Falls' SWMP. The City Department that has the primary responsibility for implementing the BMP is listed in the Responsible Party section. The primary department is listed in bold type font with quotations and any support departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP.

PE 1 MS4 WEBSITE

The City will continue to maintain its existing Stormwater Management website, which addresses stormwater-related issues. This site offers a wealth of information, including links to various state and federal resources. It features:

- **Educational Content:** Activities for children and general stormwater education.
- **City's Stormwater Management Program:** Details about the City's strategies for managing stormwater.
- **Stormwater Hotline:** Contact for reporting issues or requesting information.
- **Pollutant Brochures:** Informational resources on pollutant management.
- **Reports and Plans:** Links to the Storm Water Management Plan (SWMP) and annual reports.

The website will serve as a central hub for stormwater education and information for residents, businesses, and visitors.

Implementation Details

- **Objective:** Ensure the website remains up-to-date with accurate information and functional links throughout the permit term.

RESPONSIBLE PARTY

- **"Stormwater":** Content creation and review.
- Public Information Office: Videos and technical maintenance.

TARGET AUDIENCE

- Residents
- Visitors
- Business
- Commercial/Industrial
- Construction

TARGET POLLUTANT

- Grass clippings and leaf litter
- Fertilizer and pesticides
- Oil, grease, and vehicles fluids

RATIONALE FOR SELECTION

The website provides a cost-effective platform for distributing an unlimited amount of information, including pages for frequently asked questions, household hazardous waste, septic system maintenance, and current public involvement activities. Its proven success in the previous permit term demonstrates its effectiveness.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|--|
| 2025 | Ensure the website remains up-to-date with accurate information and functional links throughout the permit term. | <ul style="list-style-type: none"> • Verify all links are functional and update website content annually by December 31. • Provide an accessible link to the SWMP and annual reports by March 1 each year. • Maintain the website continuously for the full year. • Capture a screenshot of the website annually as documentation. |
| 2026 | Ensure the website remains up-to-date with accurate information and functional links throughout the permit term. | <ul style="list-style-type: none"> • Verify all links are functional and update website content annually by December 31. • Provide an accessible link to the SWMP and annual reports by March 1 each year. • Maintain the website continuously for the full year. • Capture a screenshot of the website annually as documentation. |
| 2027 | Ensure the website remains up-to-date with accurate information and functional links throughout the permit term. | <ul style="list-style-type: none"> • Verify all links are functional and update website content annually by December 31. • Provide an accessible link to the SWMP and annual reports by March 1 each year. • Maintain the website continuously for the full year. • Capture a screenshot of the website annually as documentation. |
| 2028 | Ensure the website remains up-to-date with accurate information and functional links throughout the permit term. | <ul style="list-style-type: none"> • Verify all links are functional and update website content annually by December 31. • Provide an accessible link to the SWMP and annual reports by March 1 each year. • Maintain the website continuously for the full year. • Capture a screenshot of the website annually as documentation. |
| 2029 | Ensure the website remains up-to-date with accurate information and functional links throughout the permit term. | <ul style="list-style-type: none"> • Verify all links are functional and update website content annually by December 31. • Provide an accessible link to the SWMP and annual reports by March 1 each year. • Maintain the website continuously for the full year. • Capture a screenshot of the website annually as documentation. |

PE 2 SOCIAL MEDIA POST / MEDIA CAMPAIGN

The city will utilize social media platforms, such as Facebook, to educate and engage the public on stormwater-related issues. Social media provides a cost-effective and far-reaching method to connect with various audiences, including younger residents and visitors. These platforms are accessible on both computers and smartphones, increasing their availability to the public.

The messages will focus on ways the community can minimize or avoid adverse stormwater impacts and promote practices to improve the quality of stormwater runoff. Additionally, the content will be tailored to be seasonally appropriate.

RESPONSIBLE PARTY

- **“Stormwater”**
- Public Information Office

TARGET AUDIENCE

- Residents
- Visitors
- Business
- Commercial/Industrial
- Construction
- Employees

TARGET POLLUTANT

- Grass clippings and leaf litter
- Fertilizer and pesticides
- Oil, grease, and vehicle fluids
- Litter and trash

RATIONALE FOR SELECTION

Social media platforms allow the City to reach all required audiences under the TPDES general permit, including visitors. The use of social media has proven effective in previous permit terms and remains a vital tool for public outreach and education.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|---|
| 2025 | Post seasonally appropriate messages quarterly. Ensure posts are visible for the full year. | <ul style="list-style-type: none"> • 4 posts annually (1 per quarter) • Ensure posts remain visible on platforms for the full year. • Tailor each message to address seasonal stormwater management topics. • Capture screenshots of each post as documentation for compliance. |
| 2026 | Post seasonally appropriate messages quarterly. Ensure posts are visible for the full year. | <ul style="list-style-type: none"> • 4 posts annually (1 per quarter) • Ensure posts remain visible on platforms for the full year. • Tailor each message to address seasonal stormwater management topics. • Capture screenshots of each post as documentation for compliance. |
| 2027 | Post seasonally appropriate messages quarterly. Ensure posts are visible for the full year. | <ul style="list-style-type: none"> • 4 posts annually (1 per quarter) • Ensure posts remain visible on platforms for the full year. • Tailor each message to address seasonal stormwater management topics. • Capture screenshots of each post as documentation for compliance. |
| 2028 | Post seasonally appropriate messages quarterly. Ensure posts are visible for the full year. | <ul style="list-style-type: none"> • 4 posts annually (1 per quarter) • Ensure posts remain visible on platforms for the full year. • Tailor each message to address seasonal stormwater management topics. • Capture screenshots of each post as documentation for compliance. |
| 2029 | Post seasonally appropriate messages quarterly. Ensure posts are visible for the full year. | <ul style="list-style-type: none"> • 4 posts annually (1 per quarter) • Ensure posts remain visible on platforms for the full year. • Tailor each message to address seasonal stormwater management topics. • Capture screenshots of each post as documentation for compliance. |

PE 3 MAINTAIN OR MARK STORM DRAINS AND INLETS

City staff will attach durable plastic markers with a “NO DUMPING” message to storm drain inlets along city streets. Markers are placed in highly visible locations, with the goal of marking all storm drains throughout the city over time.

These markers educate the public on the direct connection between storm drains and natural water bodies, such as streams and rivers, emphasizing that storm drains do not lead to treatment plants. This outreach aims to reduce the illegal dumping of oils, paints, grass clippings, litter, and other debris into the stormwater system.

RESPONSIBLE PARTY

- **“Stormwater”**
- Public Information Office

TARGET AUDIENCE

- Residents
- Visitors
- Business
- Commercial/Industrial

TARGET POLLUTANT

- Grass clippings and leaf litter
- Fertilizer and pesticides
- Oil, grease, and vehicle fluids
- Litter and trash

RATIONALE FOR SELECTION

Storm drain markers have proven to be an effective, low-cost BMP widely used by municipalities. Their visibility raises public awareness about stormwater pollution and discourages harmful behaviors. This BMP was effective in the previous permit term and will continue to be a critical part of the City's stormwater education and prevention efforts.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|--|
| 2025 | Mark storm drain inlets. Inspect and maintain previously marked inlets. Update GIS map of marked inlets. | <ul style="list-style-type: none"> Mark or maintain a minimum of 10% (120) of all known stormwater inlets annually in high-impact areas or impaired watersheds. Once inlets are marked, inspect and maintain at least 15% of marked inlets annually. Update and maintain the GIS map of marked inlets as work is completed. |
| 2026 | Mark storm drain inlets. Inspect and maintain previously marked inlets. Update GIS map of marked inlets. | <ul style="list-style-type: none"> Mark or maintain a minimum of 10% (120) of all known stormwater inlets annually in high-impact areas or impaired watersheds. Once inlets are marked, inspect and maintain at least 15% of marked inlets annually. Update and maintain the GIS map of marked inlets as work is completed. |
| 2027 | Mark storm drain inlets. Inspect and maintain previously marked inlets. Update GIS map of marked inlets. | <ul style="list-style-type: none"> Mark or maintain a minimum of 10% (120) of all known stormwater inlets annually in high-impact areas or impaired watersheds. Once inlets are marked, inspect and maintain at least 15% of marked inlets annually. Update and maintain the GIS map of marked inlets as work is completed. |
| 2028 | Mark storm drain inlets. Inspect and maintain previously marked inlets. Update GIS map of marked inlets. | <ul style="list-style-type: none"> Mark or maintain a minimum of 10% (120) of all known stormwater inlets annually in high-impact areas or impaired watersheds. Once inlets are marked, inspect and maintain at least 15% of marked inlets annually. Update and maintain the GIS map of marked inlets as work is completed. |
| 2029 | Mark storm drain inlets. Inspect and maintain previously marked inlets. Update GIS map of marked inlets. | <ul style="list-style-type: none"> Mark or maintain a minimum of 10% (120) of all known stormwater inlets annually in high-impact areas or impaired watersheds. Once inlets are marked, inspect and maintain at least 15% of marked inlets annually. Update and maintain the GIS map of marked inlets as work is completed. |

PE 4 STORMWATER LITERATURE

The city will distribute printed and electronic materials to provide detailed information on various aspects of stormwater management. Materials include Take Care of Texas literature, City-developed brochures, flyers, bookmarks, utility bill inserts, and door hangers. Existing literature will be distributed, and new materials will be created as needed to address group-specific topics and pollutants of concern.

These materials are designed to educate the public on stormwater management practices, pollution prevention, and proper disposal of hazardous waste. A tracking system will be implemented to estimate the percentage of the intended audience reached and to evaluate the effectiveness of this BMP.

Existing literature topics include:

- Household Hazardous Waste
- Illicit Discharge Detection and Elimination
- Pet Waste Management
- Lawn Clippings and Leaf Blowers
- Rain Barrels and Water Conservation
- Motor Oil Disposal Sites
- Pesticides, Herbicides, and Fertilizers
- Proper Toilet Waste Disposal (“I’m a Toilet, Not a Trash Can”)
- Anti-Litter Campaigns (“Bag It Don’t Blow It” and “Litter Free is the Way to Be”)
- Stormwater and the Construction Industry

RESPONSIBLE PARTY

- “Stormwater”
- Public Information Office
- Wastewater Collections
- Health Department
- Sanitation

TARGET AUDIENCE

- Residents
- Visitors
- Business
- Commercial/Industrial
- Construction
- Employees

TARGET POLLUTANT

- Grass clippings and leaf litter
- Fertilizer and pesticides
- Oil, grease, and vehicles fluids

- Litter and trash

RATIONALE FOR SELECTION

Wichita Falls' Environmental and Wastewater Collections Divisions have developed a variety of literature addressing stormwater-related topics. These materials have been effective during previous permit terms, providing a cost-effective way to educate and engage the public on stormwater management.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|---|
| 2025 | Distribute existing literature as needed. Track distribution numbers. | <ul style="list-style-type: none"> • Distribute fact sheets, brochures, door hangers, and utility bill inserts to at least 75% of the intended audience annually. • Develop and maintain a tracking system to monitor the percentage of the audience reached. • Use tracking data to evaluate and adjust distribution strategies as needed to improve effectiveness. |
| 2026 | Distribute existing literature as needed. Track distribution numbers. | <ul style="list-style-type: none"> • Distribute fact sheets, brochures, door hangers, and utility bill inserts to at least 75% of the intended audience annually. • Develop and maintain a tracking system to monitor the percentage of the audience reached. • Use tracking data to evaluate and adjust distribution strategies as needed to improve effectiveness. |
| 2027 | Distribute existing literature as needed. Track distribution numbers. | <ul style="list-style-type: none"> • Distribute fact sheets, brochures, door hangers, and utility bill inserts to at least 75% of the intended audience annually. • Develop and maintain a tracking system to monitor the percentage of the audience reached. • Use tracking data to evaluate and adjust distribution strategies as needed to improve effectiveness. |
| 2028 | Distribute existing literature as needed. Track distribution numbers. | <ul style="list-style-type: none"> • Distribute fact sheets, brochures, door hangers, and utility bill inserts to at least 75% of the intended audience annually. • Develop and maintain a tracking system to monitor the percentage of the audience reached. • Use tracking data to evaluate and adjust distribution strategies as needed to improve effectiveness. |
| 2029 | Distribute existing literature as needed. Track distribution numbers. | <ul style="list-style-type: none"> • Distribute fact sheets, brochures, door hangers, and utility bill inserts to at least 75% of the intended audience annually. • Develop and maintain a tracking system to monitor the percentage of the audience reached. • Use tracking data to evaluate and adjust distribution strategies as needed to improve effectiveness. |

PE 5 PUBLIC SERVICE ANNOUNCEMENTS

The city will produce and disseminate public service announcements (PSAs) on stormwater-related topics, including recycling, illicit discharges, and proper disposal of household chemicals. These PSAs will be aired on local media, including the public access cable TV Channel 1300, local TV stations, and shared on social media platforms. Additionally, PSAs will be displayed on City vehicles to enhance visibility.

The City will maintain and expand the PSA program throughout the permit term, updating and creating outreach materials as needed. Specific elements of the program include:

- **PSA Development:** Creation of PSAs for various platforms, including Spectrum Cable Channel 1300, the City's website, social media, and billboards on City vehicles. Topics include:
 - "Can the Grease, Greasy Gremlin Campaign"
 - "I'm a Toilet, Not a Trash Can"
 - "Choose to Reuse"

These PSAs educate the public on proper disposal methods for grease, wipes, and pharmaceuticals, and promote recycling programs.

- **New PSA Videos:** The Public Works Department will collaborate with the Public Information Department to develop new PSA videos for Spectrum Cable Channel 1300 and social media platforms.
- **Information Dissemination:** Stormwater-related educational materials, including volunteer program details, composting tips, and recycling information, will be shared through Spectrum Cable Channel 1300, social media platforms, the Stormwater Management webpage, and Notify Me emails.
- **Kids Page:** The Stormwater Management webpage will include a dedicated Kids Page featuring games, experiments, and videos on environmental topics.

RESPONSIBLE PARTY

- **"Public Information"**
- Stormwater

TARGET AUDIENCE

- Residents
- Employees

TARGET POLLUTANT

- Grass clippings and leaf litter
- Fertilizer and pesticides
- Oil, grease, and vehicles fluids
- Litter and trash

RATIONALE FOR SELECTION

Educating citizens on the importance of stormwater management and proper disposal of pollutants is vital to maintaining the City's sewer and stormwater conveyance systems. By addressing key pollutants and providing practical solutions, the city empowers residents to take preventive actions and reduce stormwater pollution effectively.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|---|
| 2025 | Billboards on Trash Trucks and Wastewater Collection Trucks. Continue “Choose To Reuse,” “I’m a Toilet Not a Trash Can,” and “Can the Grease” campaigns. | <ul style="list-style-type: none">• Maintain visible billboards on City trash and wastewater collection vehicles.• Ensure stormwater-related campaigns continue running throughout the year on designated platforms. |
| 2026 | Billboards on Trash Trucks and Wastewater Collection Trucks. Continue “Choose To Reuse,” “I’m a Toilet Not a Trash Can,” and “Can the Grease” campaigns. | <ul style="list-style-type: none">• Maintain visible billboards on City trash and wastewater collection vehicles.• Ensure stormwater-related campaigns continue running throughout the year on designated platforms. |
| 2027 | Billboards on Trash Trucks and Wastewater Collection Trucks. Continue “Choose To Reuse,” “I’m a Toilet Not a Trash Can,” and “Can the Grease” campaigns. | <ul style="list-style-type: none">• Maintain visible billboards on City trash and wastewater collection vehicles.• Ensure stormwater-related campaigns continue running throughout the year on designated platforms. |
| 2028 | Billboards on Trash Trucks and Wastewater Collection Trucks. Continue “Choose To Reuse,” “I’m a Toilet Not a Trash Can,” and “Can the Grease” campaigns. | <ul style="list-style-type: none">• Maintain visible billboards on City trash and wastewater collection vehicles.• Ensure stormwater-related campaigns continue running throughout the year on designated platforms. |
| 2029 | Billboards on Trash Trucks and Wastewater Collection Trucks. Continue “Choose To Reuse,” “I’m a Toilet Not a Trash Can,” and “Can the Grease” campaigns. | <ul style="list-style-type: none">• Maintain visible billboards on City trash and wastewater collection vehicles.• Ensure stormwater-related campaigns continue running throughout the year on designated platforms. |

MCM 2 PUBLIC INVOLVMENT / PARTICIPATION

General Permit Requirement Part D.2

"All permittees shall involve the public, and at a 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 other to become involved with the SWMP. The activities / BMPs must demonstrate an impact on stormwater runoff by improving water quality"

An effective public education program can significantly reduce other program costs, such as inspection and enforcement costs for the illicit discharge program. Informed citizens and business owners will usually take steps to reduce potential pollution from their own activities.

Permittees shall develop 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.

Existing permittees such as Wichita Falls shall assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term.

The City of Wichita Falls will target the following audiences concerning Public Involvement / Participation:

| Target Audience | Target Pollutant |
|---|---|
| Residents being served | <ul style="list-style-type: none">• Grass clippings and leaf litter• Litter, trash containment• Pet Waste• Oil, Grease, fluids from vehicles |
| Schools, educational organizations, or youth service and youth groups | <ul style="list-style-type: none">• Litter, trash containment• Pet Waste |

To comply with the regulatory requirements for this program element, the following BMPs have been selected by the City of Wichita Falls:

- PI 1 Adopt-A-Trail
- PI 2 Volunteer Water Quality Monitoring
- PI 3 Training Events for The Public
- PI 4 Educational Booth

The following BMP sheets describe individual BMPs in Wichita Falls' SWMP. The City Department that has the primary responsibility for implementing the BMP is listed in the

Responsible Party section. The primary department is listed in bold type font with quotations and any support departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP.

PI 1 ADOPT-A-TRAIL

The City of Wichita Falls operates an Adopt-A-Trail program, enabling families, groups, and organizations to adopt sections of local trails for litter cleanup. This initiative enhances community involvement and helps maintain clean and welcoming public spaces.

Under this Best Management Practice (BMP), the program includes:

- **Adoption Process:** The Stormwater Department collaborates with adopting groups to designate a specific trail section for cleanup.
- **Signage:** The Parks Department installs signs at the adopted areas, displaying the group's name or acronym, to recognize their contributions.
- **Supplies:** The Stormwater Department provides necessary supplies, including trash bags and gloves, to assist with cleanup efforts.
- **Trash Removal:** The Parks Department and/or Stormwater Department remove the filled trash bags from the trail after cleanup events.

This BMP fosters public engagement and environmental stewardship by empowering the community to take part in maintaining public trails.

RESPONSIBLE PARTY

- “Stormwater”
- Parks Department
- Public Information Office

TARGET POLLUTANT

- Litter and containment

RATIONALE FOR SELECTION

The Adopt-A-Trail program has proven to be an effective tool for involving the public in reducing trash and other floatables. It encourages a sense of ownership and responsibility within the community, contributing to cleaner, well-maintained trails.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|----------------------------|--|
| 2025 | Continue Adopt-A-Trail | <ul style="list-style-type: none">• Organize and support a minimum of two Adopt-A-Trail events annually.• Ensure adequate provision of supplies to participating groups.• Maintain data from cleanups. |
| 2026 | Continue Adopt-A-Trail | <ul style="list-style-type: none">• Organize and support a minimum of two Adopt-A-Trail events annually.• Ensure adequate provision of supplies to participating groups.• Maintain data from cleanups. |
| 2027 | Continue Adopt-A-Trail | <ul style="list-style-type: none">• Organize and support a minimum of two Adopt-A-Trail events annually.• Ensure adequate provision of supplies to participating groups.• Maintain data from cleanups. |
| 2028 | Continue Adopt-A-Trail | <ul style="list-style-type: none">• Organize and support a minimum of two Adopt-A-Trail events annually.• Ensure adequate provision of supplies to participating groups.• Maintain data from cleanups. |
| 2029 | Continue Adopt-A-Trail | <ul style="list-style-type: none">• Organize and support a minimum of two Adopt-A-Trail events annually.• Ensure adequate provision of supplies to participating groups.• Maintain data from cleanups. |

PI 2 VOLUNTEER WATER QUALITY MONITORING

The City of Wichita Falls will host an annual volunteer water quality monitoring event to assess the health of water segments into which the MS4 discharges. Volunteers will collect data at designated spots, with monitoring efforts focusing on:

- **Parameters Monitored:**
 - Temperature
 - pH
 - Dissolved oxygen

This initiative encourages community engagement in environmental stewardship and helps ensure compliance with the Texas Commission on Environmental Quality (TCEQ) permit

The city will host an annual volunteer water quality monitoring event. This event will collect data to assess the health of water segments into which the MS4 discharges. Monitoring will include measurements of temperature, pH, dissolved oxygen, and metals at designated spots.

RESPONSIBLE PARTY

- **“Stormwater”**
- Public information Office
- Texas Stream Team

TARGET POLLUTANT

- Grass clippings and leaf litter
- Litter and trash

RATIONALE FOR SELECTION

The event will provide valuable data for analyzing water quality and assessing the environmental health of local waterways. This BMP supports the City's compliance with the TCEQ permit by gathering required water quality data.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---------------------------------|--|
| 2025 | Annual Water Quality Monitoring | <ul style="list-style-type: none"> • One monitoring event annually with volunteer participation. • Record and analyze water quality data collected at designated spots. • Utilize data to guide stormwater management decisions and improve water quality practices. |
| 2026 | Annual Water Quality Monitoring | <ul style="list-style-type: none"> • One monitoring event annually with volunteer participation. • Record and analyze water quality data collected at designated spots. • Utilize data to guide stormwater management decisions and improve water quality practices. |
| 2027 | Annual Water Quality Monitoring | <ul style="list-style-type: none"> • One monitoring event annually with volunteer participation. • Record and analyze water quality data collected at designated spots. • Utilize data to guide stormwater management decisions and improve water quality practices. |
| 2028 | Annual Water Quality Monitoring | <ul style="list-style-type: none"> • One monitoring event annually with volunteer participation. • Record and analyze water quality data collected at designated spots. • Utilize data to guide stormwater management decisions and improve water quality practices. |
| 2029 | Annual Water Quality Monitoring | <ul style="list-style-type: none"> • One monitoring event annually with volunteer participation. • Record and analyze water quality data collected at designated spots. • Utilize data to guide stormwater management decisions and improve water quality practices. |

PI 3 TRAINING EVENTS FOR THE PUBLIC

The City of Wichita Falls will host an annual training event focused on educating the public about stormwater-related issues and their solutions. Training topics will include:

- Building rain barrels to conserve water and reduce runoff.
- Identifying and reporting illicit discharges.
- Specific programs for community groups, such as:
 - **Citizens Academy**
 - **Master Naturalists**
 - **Scouts and Girl Scouts**
 - **Rain Barrels – Howmet Program**

The program aims to enhance public understanding of stormwater management and promote actionable practices for improving water quality.

RESPONSIBLE PARTY

- **“Stormwater”**
- Public information Office

TARGET POLLUTANT

- Grass clippings and leaf litter
- Fertilizer and pesticides
- Oil, grease, and vehicles fluids
- Litter and trash

RATIONALE FOR SELECTION

These training events will raise awareness among the public about stormwater issues and provide practical solutions to minimize pollutants. The program has proven effective in building community engagement and fostering environmental stewardship.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|-------------------------|---|
| 2025 | Annual Training Event | <ul style="list-style-type: none"> • Develop annual training event |
| 2026 | Annual Training Event | <ul style="list-style-type: none"> • Develop annual training event |
| 2027 | Annual Training Event | <ul style="list-style-type: none"> • Host one training event annually with targeted participation from residents, businesses, and community groups. • Provide resources and hands-on demonstrations for practical learning (e.g., rain barrel construction). • |
| 2028 | Annual Training Event | <ul style="list-style-type: none"> • Host one training event annually with targeted participation from residents, businesses, and community groups. • Provide resources and hands-on demonstrations for practical learning (e.g., rain barrel construction). |
| 2029 | Annual Training Event | <ul style="list-style-type: none"> • Host one training event annually with targeted participation from residents, businesses, and community groups. • Provide resources and hands-on demonstrations for practical learning (e.g., rain barrel construction). |

PI 4 EDUCATIONAL BOOTH

The City of Wichita Falls will set up an educational display booth at public events to raise awareness about water quality issues and promote best practices. These booths will provide informational resources, interactive displays, and opportunities to engage with experts.

Potential venues include:

- **Home and Garden Show**
- **Art Walk**

The booth will focus on educating the public on stormwater-related topics, including the impacts of pollutants and ways to prevent water contamination.

RESPONSIBLE PARTY

- **“Stormwater”**
- Public information Office

TARGET POLLUTANT

- Grass clippings and leaf litter
- Fertilizer and pesticides
- Oil, grease vehicles fluids
- Litter and trash

RATIONALE FOR SELECTION

Educational booths are an effective method of engaging the public and providing accessible information about water quality issues. By attending widely popular events, the booth can reach a diverse audience and encourage community involvement in stormwater management.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|-------------------------------------|---|
| 2025 | Host one educational booth annually | <ul style="list-style-type: none"> • Host one booth annually at a public event or school. • Provide materials and information focused on stormwater-related topics. • Track the number of attendees and interactions to assess program effectiveness. |
| 2026 | Host one educational booth annually | <ul style="list-style-type: none"> • Host one booth annually at a public event or school. • Provide materials and information focused on stormwater-related topics. • Track the number of attendees and interactions to assess program effectiveness. |
| 2027 | Host one educational booth annually | <ul style="list-style-type: none"> • Host one booth annually at a public event or school. • Provide materials and information focused on stormwater-related topics. • Track the number of attendees and interactions to assess program effectiveness. |
| 2028 | Host one educational booth annually | <ul style="list-style-type: none"> • Host one booth annually at a public event or school. • Provide materials and information focused on stormwater-related topics. • Track the number of attendees and interactions to assess program effectiveness. |
| 2029 | Host one educational booth annually | <ul style="list-style-type: none"> • Host one booth annually at a public event or school. • Provide materials and information focused on stormwater-related topics. • Track the number of attendees and interactions to assess program effectiveness. |

MCM 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

This program element is designed to ensure the elimination of illegal discharges to the City of Wichita Fall's stormwater system.

As specified in the Small MS4 General Permit, all permittees shall develop, implement and enforce a program to detect, investigate, 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 MS4 system.

1. The IDDE program must include the following elements:
2. An up-to-date MS4 map;
3. Methods for informing and training MS4 field staff;
4. Procedures for tracing the source of an illicit discharge;
5. Procedures for removing the source of the illicit discharge;
6. For Level 2, 3, and 4 small MS4s, procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4.

Existing permittees must assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. New elements must be fully implemented by the end of this permit term.

To comply with the regulatory requirements for this program element, the following BMPs have been selected by the City of Wichita Falls:

- ID 1 Storm Drain System Outfall Mapping
- ID 2 Dry Weather Screening
- ID 3 Enforce Illicit Discharge Ordinance
- ID 4 Illicit Discharge Training
- ID 5 Reduce Sanitary Sewer Overflows
- ID 6 Reduce Failing Septic Systems
- ID 7 Reduce Illegal Dumping
- ID 8 Pet Waste Management

The following BMP sheets describe individual BMPs in Wichita Falls SWMP. The City Department that has the primary responsibility for implementing the BMP is listed in the Responsible Authority section. The primary department is listed in bold type font with quotations and any support departments are listed as unbolded font.

ID 1 STORM DRAIN SYSTEM OUTFALL MAPPING

The City of Wichita Falls now utilizes a city-wide GIS map to record the precise locations of stormwater outfalls using GPS technology. This map serves as a foundational tool for monitoring and managing the Municipal Separate Storm Sewer System (MS4). Field verification will be conducted regularly to ensure data accuracy and keep the map updated with new information.

RESPONSIBLE PARTY

- “Stormwater”
- Engineering

TARGET AUDIENCE

- Residents
- Business
- Commercial/Industrial
- Employees
- Construction

RATIONALE FOR SELECTION

- A storm drain system map is a required element of the MS4 permit under the minimum control measures. It must identify:
 - The locations of all outfalls from the MS4.
 - The names and locations of the surface waters to which they drain.
- This mapping ensures compliance and supports effective management of stormwater systems.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---------------------------------------|--|
| 2025 | Incorporate new data and maintain map | <ul style="list-style-type: none">• Maintain the GIS storm drain system map annually.• Report the number of edits or updates made to the map each year. |
| 2026 | Incorporate new data and maintain map | <ul style="list-style-type: none">• Maintain the GIS storm drain system map annually.• Report the number of edits or updates made to the map each year. |
| 2027 | Incorporate new data and maintain map | <ul style="list-style-type: none">• Maintain the GIS storm drain system map annually.• Report the number of edits or updates made to the map each year. |
| 2028 | Incorporate new data and maintain map | <ul style="list-style-type: none">• Maintain the GIS storm drain system map annually.• Report the number of edits or updates made to the map each year. |
| 2029 | Incorporate new data and maintain map | <ul style="list-style-type: none">• Maintain the GIS storm drain system map annually.• Report the number of edits or updates made to the map each year. |

ID 2 DRY WEATHER SCREENING

City of Wichita Falls staff will visually inspect regulated outfalls during dry weather to confirm the absence of flow. If flow is observed, limited chemical analysis using field test kits will be conducted to detect the presence of specific chemicals or pollutants. Should the analysis reveal pollutant concentrations above allowable thresholds, further investigation will be necessary.

The City's GPS equipment will document the location of field tests, correlating this data with the GIS storm drain system outfall map. This ensures precise tracking of locations for future reference and helps address any identified environmental concerns.

RESPONSIBLE PARTY

- **"Stormwater"**
- Engineering

TARGET AUDIENCE

- Business
- Commercial/Industrial
- Construction

RATIONALE FOR SELECTION

- The type of screening can be readily implemented by City staff and can enhance public involvement by potentially performing screening in areas identified through the storm water hotline or web site page.
- This BMP was effective during previous permit terms.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|---|
| 2025 | Walk accessible reaches of stream, performing testing, documenting testing locations, and verifying GIS outfall map. | <ul style="list-style-type: none">• Perform dry weather screenings at a minimum of 30 outfalls each year.• Document testing locations and update the GIS storm drain system outfall map accordingly. |
| 2026 | Walk accessible reaches of stream, performing testing, documenting testing locations, and verifying GIS outfall map. | <ul style="list-style-type: none">• Perform dry weather screenings at a minimum of 30 outfalls each year.• Document testing locations and update the GIS storm drain system outfall map accordingly. |
| 2027 | Walk accessible reaches of stream, performing testing, documenting testing locations, and verifying GIS outfall map. | <ul style="list-style-type: none">• Perform dry weather screenings at a minimum of 30 outfalls each year.• Document testing locations and update the GIS storm drain system outfall map accordingly. |
| 2028 | Walk accessible reaches of stream, performing testing, documenting testing locations, and verifying GIS outfall map. | <ul style="list-style-type: none">• Perform dry weather screenings at a minimum of 30 outfalls each year.• Document testing locations and update the GIS storm drain system outfall map accordingly. |
| 2029 | Walk accessible reaches of stream, performing testing, documenting testing locations, and verifying GIS outfall map. | <ul style="list-style-type: none">• Perform dry weather screenings at a minimum of 30 outfalls each year.• Document testing locations and update the GIS storm drain system outfall map accordingly. |

ID 3 ENFORCE ILLICIT DISCHARGE ORDINANCE

The City of Wichita Falls has implemented an ordinance prohibiting illicit discharges and illegal connections to the MS4. This ordinance includes sanctions to ensure compliance, as permitted under State and local law. The City will continue to rigorously enforce this ordinance and provide mechanisms for public reporting of violations via the City's non-emergency hotline: **(940) 720-5000**.

RESPONSIBLE PARTY

- **"Stormwater"**
- City Attorney

TARGET AUDIENCE

- Residents
- Visitors
- Employees
- Business
- Commercial/Industrial
- Construction

RATIONALE FOR SELECTION

- The **Small MS4 General Permit** mandates the establishment of a regulatory mechanism to prohibit illicit discharges and illegal connections to the MS4.
- The city will maintain enforcement of the existing ordinance and review/update it as necessary to ensure continued compliance.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|---|
| 2025 | Continue to enforce existing ordinance. Review existing ordinance and make changes as needed. | <ul style="list-style-type: none">• Consistently enforce the ordinance prohibiting illicit discharges and illegal connections.• Maintain a record of investigations and enforcement actions each year.• Regularly review the ordinance to ensure it remains effective and compliant with updated regulations. |
| 2026 | Continue to enforce existing ordinance. Review existing ordinance and make changes as needed. | <ul style="list-style-type: none">• Consistently enforce the ordinance prohibiting illicit discharges and illegal connections.• Maintain a record of investigations and enforcement actions each year.• Regularly review the ordinance to ensure it remains effective and compliant with updated regulations. |
| 2027 | Continue to enforce existing ordinance. Review existing ordinance and make changes as needed. | <ul style="list-style-type: none">• Consistently enforce the ordinance prohibiting illicit discharges and illegal connections.• Maintain a record of investigations and enforcement actions each year.• Regularly review the ordinance to ensure it remains effective and compliant with updated regulations. |
| 2028 | Continue to enforce existing ordinance. Review existing ordinance and make changes as needed. | <ul style="list-style-type: none">• Consistently enforce the ordinance prohibiting illicit discharges and illegal connections.• Maintain a record of investigations and enforcement actions each year.• Regularly review the ordinance to ensure it remains effective and compliant with updated regulations. |
| 2029 | Continue to enforce existing ordinance. Review existing ordinance and make changes as needed. | <ul style="list-style-type: none">• Consistently enforce the ordinance prohibiting illicit discharges and illegal connections.• Maintain a record of investigations and enforcement actions each year.• Regularly review the ordinance to ensure it remains effective and compliant with updated regulations. |

ID 4 ILLICIT DISCHARGE TRAINING

The **Small MS4 General Permit** requires all permittees to implement training programs for field staff to identify and report illicit discharges and connections to the MS4. The City of Wichita Falls has an established program that includes:

- Training materials focused on identifying illicit discharges, recognizing signs of illicit connections, and reporting procedures.
- Record-keeping of attendance through sign-in sheets and training documentation, which will be maintained on-site and made available for TCEQ review.

This training ensures that field staff, who are regularly in the community, are equipped to detect and address illicit discharges, playing a vital role in the City's Illicit Discharge Detection and Elimination (IDDE) program.

RESPONSIBLE PARTY

- **"Stormwater"**

TARGET AUDIENCE

- Employees

RATIONALE FOR SELECTION

- Compliance with the **Small MS4 General Permit** mandate requiring permittees to implement training programs.
- Field staff are frequently in positions to observe illicit discharges and are essential in implementing the IDDE program.
-

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|-------------|------------------------------------|--|
| 2025 | Conduct Illicit Discharge Training | <ul style="list-style-type: none">• Conduct one training session annually for field staff.• Maintain training records, including sign-in sheets and training materials, for on-site review by the TCEQ. |
| 2026 | Conduct Illicit Discharge Training | <ul style="list-style-type: none">• Conduct one training session annually for field staff.• Maintain training records, including sign-in sheets and training materials, for on-site review by the TCEQ. |
| 2027 | Conduct Illicit Discharge Training | <ul style="list-style-type: none">• Conduct one training session annually for field staff.• Maintain training records, including sign-in sheets and training materials, for on-site review by the TCEQ. |
| 2028 | Conduct Illicit Discharge Training | <ul style="list-style-type: none">• Conduct one training session annually for field staff.• Maintain training records, including sign-in sheets and training materials, for on-site review by the TCEQ. |
| 2029 | Conduct Illicit Discharge Training | <ul style="list-style-type: none">• Conduct one training session annually for field staff.• Maintain training records, including sign-in sheets and training materials, for on-site review by the TCEQ. |

ID 5 REDUCE SANITARY SEWER OVERFLOWS

The City of Wichita Falls is committed to eliminating sanitary sewer overflows (SSOs). These overflows may result from temporary blockages, flooding, or insufficient sewer capacity. The city has conducted extensive investigations to identify the causes of SSOs and has made significant progress in mitigating them. The city will continue implementing its **Sanitary Sewer Overflow Response Plan (SSORP)** to address and reduce these incidents.

RESPONSIBLE PARTY

- “Wastewater Collections”
- Stormwater
- Building Inspections

TARGET AUDIENCE

- Residents
- Employees
- Businesses
- Commercial/Industrial

RATIONALE FOR SELECTION

- Detection and correction of sanitary sewer overflows are mandatory requirements for **Phase II cities** under the MS4 General Permit.
- The **SSORP** provides a structured approach to identifying, responding to, and preventing SSOs.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|-------------|---|---|
| 2025 | <ul style="list-style-type: none">• Cleaning of existing sanitary sewer system• TV inspections | <ul style="list-style-type: none">• Clean 100 miles of sanitary sewer lines annually.• Conduct TV inspections of sewer mains to identify blockages or structural issues. |
| 2026 | <ul style="list-style-type: none">• Cleaning of existing sanitary sewer system• TV inspections | <ul style="list-style-type: none">• Clean 100 miles of sanitary sewer lines annually.• Conduct TV inspections of sewer mains to identify blockages or structural issues |
| 2027 | <ul style="list-style-type: none">• Cleaning of existing sanitary sewer system• TV inspections | <ul style="list-style-type: none">• Clean 100 miles of sanitary sewer lines annually.• Conduct TV inspections of sewer mains to identify blockages or structural issues |
| 2028 | <ul style="list-style-type: none">• Cleaning of existing sanitary sewer system• TV inspections | <ul style="list-style-type: none">• Clean 100 miles of sanitary sewer lines annually.• Conduct TV inspections of sewer mains to identify blockages or structural issues |
| 2029 | <ul style="list-style-type: none">• Cleaning of existing sanitary sewer system• TV inspections | <ul style="list-style-type: none">• Clean 100 miles of sanitary sewer lines annually.• Conduct TV inspections of sewer mains to identify blockages or structural issues |

ID 6 REDUCE FAILING SEPTIC SYSTEMS

The City of Wichita Falls and the Wichita County Public Health District work collaboratively to address issues related to failing septic systems. This BMP focuses on educating the public about the proper operation and maintenance of septic tanks through brochures and literature distribution. The County Health Department oversees the administration of the **TCEQ On-Site Sewage Facility (OSSF)** program, ensuring regulatory compliance for septic systems within the city limits and unincorporated areas of the County.

RESPONSIBLE PARTY

- **“Health Department”**
- Stormwater

TARGET AUDIENCE

- Residents

RATIONALE FOR SELECTION

- The Wichita County Public Health District regulates septic systems, administering the **TCEQ’s On-Site Sewage Facility (OSSF)** program.
- Since most septic systems are located in the County, the Health Department remains the primary authority, with the City supporting educational outreach to prevent failures.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|-------------|--|--|
| 2025 | Distribute existing brochures in coordination with Wichita County. | <ul style="list-style-type: none">• Ensure literature racks remain stocked with educational brochures on septic system maintenance.• Track and report the quantity of brochures printed and distributed annually. |
| 2026 | Distribute existing brochures in coordination with Wichita County. | <ul style="list-style-type: none">• Ensure literature racks remain stocked with educational brochures on septic system maintenance.• Track and report the quantity of brochures printed and distributed annually. |
| 2027 | Distribute existing brochures in coordination with Wichita County. | <ul style="list-style-type: none">• Ensure literature racks remain stocked with educational brochures on septic system maintenance.• Track and report the quantity of brochures printed and distributed annually. |
| 2028 | Distribute existing brochures in coordination with Wichita County. | <ul style="list-style-type: none">• Ensure literature racks remain stocked with educational brochures on septic system maintenance.• Track and report the quantity of brochures printed and distributed annually. |
| 2029 | Distribute existing brochures in coordination with Wichita County. | <ul style="list-style-type: none">• Ensure literature racks remain stocked with educational brochures on septic system maintenance.• Track and report the quantity of brochures printed and distributed annually. |

ID 7 REDUCE ILLEGAL DUMPING

The City of Wichita Falls is committed to reducing and eliminating illegal dumping by implementing educational initiatives and enhanced monitoring. Citizens are encouraged to report incidents of illegal dumping using the City’s non-emergency number (**940-720-5000**) or the online reporting link available on the City’s website. The city will also consider camera surveillance for recurrent dumpsites identified through GIS mapping.

RESPONSIBLE PARTY

- **“Streets Department”**
- Sanitation
- Stormwater
- Code

TARGET AUDIENCE

- Residents
- Visitors
- Employees
- Construction

RATIONALE FOR SELECTION

- Public education will raise awareness about the impacts of illegal dumping.
- GIS mapping will be used to identify and monitor recurring dumpsites, guiding targeted surveillance and cleanup efforts.
- Camera surveillance will be explored for high-frequency dumping areas.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|-------------|---|--|
| 2025 | Educate via website and literature; Investigate and track reports of illegal dumping | <ul style="list-style-type: none">• Maintain an updated map of illegal dumpsites.• Investigate all reported cases of illegal dumping and document findings. |
| 2026 | Educate via website and literature; Investigate and track reports of illegal dumping | <ul style="list-style-type: none">• Maintain an updated map of illegal dumpsites.• Investigate all reported cases of illegal dumping and document findings. |
| 2027 | Educate via website and literature; Investigate and track reports of illegal dumping | <ul style="list-style-type: none">• Maintain an updated map of illegal dumpsites.• Investigate all reported cases of illegal dumping and document findings. |
| 2028 | Educate via website and literature; Investigate and track reports of illegal dumping | <ul style="list-style-type: none">• Maintain an updated map of illegal dumpsites.• Investigate all reported cases of illegal dumping and document findings. |
| 2029 | Educate via website and literature; Investigate and track reports of illegal dumping | <ul style="list-style-type: none">• Maintain an updated map of illegal dumpsites.• Investigate all reported cases of illegal dumping and document findings. |

ID 8 PET WASTE MANAGEMENT

The City of Wichita Falls is actively working to reduce bacterial contamination in local waterbodies by implementing a pet waste management program. The Parks and Recreation Department staff maintains and restocks pet waste stations regularly to encourage proper disposal of pet waste by park users.

RESPONSIBLE PARTY

- “Parks”
- Stormwater

TARGET AUDIENCE

- Residents
- Visitors
- Employees

RATIONALE FOR SELECTION

- The **Small MS4 General Permit** mandates specific BMPs for areas that discharge into impaired waterbodies without an approved **TMDL** (Total Maximum Daily Load).
- Pet waste is a significant contributor to bacterial contamination, and providing proper disposal facilities helps mitigate this issue.
- This BMP has been identified as a focused measure to address bacterial pollution due to pet waste in city parks and other recreational areas.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|-------------|---|--|
| 2025 | Maintain pet waste stations in city parks | <ul style="list-style-type: none">• Map current pet waste stations and develop a plan for new ones |
| 2026 | Maintain pet waste stations in city parks | <ul style="list-style-type: none">• Map current pet waste stations and develop a plan for new ones |
| 2027 | Maintain pet waste stations in city parks | <ul style="list-style-type: none">• Maintain an updated map of all pet waste stations in city parks.• Document the number of supplies (e.g., waste bags) ordered and used annually.• Ensure that all stations are consistently stocked and operation |
| 2028 | Maintain pet waste stations in city parks | <ul style="list-style-type: none">• Maintain an updated map of all pet waste stations in city parks.• Document the number of supplies (e.g., waste bags) ordered and used annually.• Ensure that all stations are consistently stocked and operation |
| 2029 | Maintain pet waste stations in city parks | <ul style="list-style-type: none">• Maintain an updated map of all pet waste stations in city parks.• Document the number of supplies (e.g., waste bags) ordered and used annually.• Ensure that all stations are consistently stocked and operation |

MCM 4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

To date, control of construction site runoff has been the most publicly visible element of the stormwater program. During a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. Therefore, this MCM may generate more enforcement activity than all other stormwater program control elements combined.

As specified in the Small MS4 General Permit, 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.

City Ordinance, Article VIII. STORMWATER MANAGEMENT, Sections 106-951 through 106-962 addresses construction site erosion control.

Existing permittees, such as the City of Wichita Falls must assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. The city has determined that its current program, with minor modifications, meets the new permit requirements and reduces the discharge of pollutants from the MS4 to the MEP.

The following are prohibited discharges from construction sites;

Wastewater from washout of concrete and wastewater from water well drilling operations, unless managed by an appropriate control;

- Wastewater from washout and cleanout of stucco, paint, from release oils, and other construction materials;
- Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
- Soaps or solvents used in vehicle and equipment washing; and
- Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate BMPs.

To comply with the regulatory requirements for this program element, the following BMPs have been selected by the City of Wichita Falls:

- C1 Enforce Stormwater Management Ordinance
- C2 Stormwater Pollution Prevention Review Procedures
- C3 Construction Site Inspections
- C4 Construction General Permit Training
- C5 Stormwater Hotline for Receipt of Public Comment

- C6 Maintain a Construction Site Inventory

The following BMP sheets describe individual BMPs in Wichita Fall's SWMP. The City Department that has the primary responsibility for implementing the BMP is listed in the Responsible Authority section. The primary department is listed in bold type font with quotations and any support departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP. Wichita Fall's Construction BMPs target all six (6) sectors of the public including residents, visitors, public service employees, businesses, commercial and industrial facilities, and construction site personnel.

C1 ENFORCE STORMWATER MANAGEMNET ORDINANCE

The City of Wichita Falls enforces its **Stormwater Management Ordinance** to ensure compliance with stormwater pollution prevention requirements for construction sites. Key components include:

1. **Clearing and Grading Permit:**
 - Construction site operators must obtain a permit before engaging in earth-disturbing activities.
2. **Stormwater Pollution Prevention Plan (SWP3):**
 - Operators must submit an SWP3 that adheres to the requirements of the **TPDES TCEQ Permit TXR150000**.
 - The **Environmental Coordinator** reviews submitted SWP3s to ensure compliance.
3. **Ordinance Enforcement:**
 - The ordinance includes penalties and enforcement actions to maintain compliance with local, state, and federal regulations.

The city enforces both the **Stormwater Management Ordinance (Article VII)** and the **Stormwater Quality Ordinance (Article XIII)** to ensure proper stormwater controls during construction activities.

RESPONSIBLE PARTY

- **“Stormwater”**
- Engineering

TARGET AUDIENCE

- Business
- Construction

RATIONALE FOR SELECTION

- The **Small MS4 General Permit** mandates the establishment and enforcement of a regulatory mechanism, including sanctions, to ensure compliance.
- Continued enforcement of these ordinances aligns with federal, state, and local requirements and helps minimize construction-related pollution.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|---|
| 2025 | Enforce the City's Stormwater Management Ordinance | <ul style="list-style-type: none">• Track and maintain records of enforcement orders and fines issued annually to construction sites.• Conduct an annual review of the ordinance to ensure it aligns with current TPDES requirements and other relevant regulations. |
| 2026 | Enforce the City's Stormwater Management Ordinance | <ul style="list-style-type: none">• Track and maintain records of enforcement orders and fines issued annually to construction sites.• Conduct an annual review of the ordinance to ensure it aligns with current TPDES requirements and other relevant regulations. |
| 2027 | Enforce the City's Stormwater Management Ordinance | <ul style="list-style-type: none">• Track and maintain records of enforcement orders and fines issued annually to construction sites.• Conduct an annual review of the ordinance to ensure it aligns with current TPDES requirements and other relevant regulations. |
| 2028 | Enforce the City's Stormwater Management Ordinance | <ul style="list-style-type: none">• Track and maintain records of enforcement orders and fines issued annually to construction sites.• Conduct an annual review of the ordinance to ensure it aligns with current TPDES requirements and other relevant regulations. |
| 2029 | Enforce the City's Stormwater Management Ordinance | <ul style="list-style-type: none">• Track and maintain records of enforcement orders and fines issued annually to construction sites.• Conduct an annual review of the ordinance to ensure it aligns with current TPDES requirements and other relevant regulations. |

C2 STORMWATER POLLUTION PREVENTION PLAN REVIEW PROCEDURE

The City of Wichita Falls reviews all construction plans, including Stormwater Pollution Prevention Plans (SWP3), as part of its development review process. These reviews ensure compliance with the TPDES TCEQ Permit TXR150000, helping to minimize potential water quality impacts.

1. Site Plan Review:

- Site plans are assessed to ensure they include appropriate construction site control measures that comply with the TPDES CGP, TXR150000.
- Plans are not approved unless they meet water quality impact considerations.

2. SWP3 Approval:

- SWP3s developed in accordance with the TPDES CGP, TXR150000, are acceptable for approval.

3. Inventory Requirements:

- The city maintains a monthly updated inventory of all active public and private construction sites, including:
 - Notices of Intent (NOIs) and Construction Site Notices (CSNs).
 - Notices of Termination (NOTs) for removing completed projects from the inventory.
- The inventory may be maintained as a list or map.

RESPONSIBLE PARTY

- **“Permitting”**
- Stormwater
- Engineering

TARGET AUDIENCE

- Business
- Commercial/Industrial
- Construction

RATIONALE FOR SELECTION

- Compliance with the **Small MS4 General Permit**, which requires regulatory mechanisms and sanctions to ensure adherence to stormwater pollution prevention standards.
- Enforces the Stormwater Management Ordinance, promoting responsible development practices.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|--|
| 2025 | <ul style="list-style-type: none">Review 100% of SWP3s submitted as required by ordinance.Maintain construction site inventory of all permitted sites. | <ul style="list-style-type: none">Review all applicable SWP3s submitted to the city to ensure compliance.Maintain an accurate, updated list/map of all active construction sites. |
| 2026 | <ul style="list-style-type: none">Review 100% of SWP3s submitted as required by ordinance.Maintain construction site inventory of all permitted sites. | <ul style="list-style-type: none">Review all applicable SWP3s submitted to the city to ensure compliance.Maintain an accurate, updated list/map of all active construction sites. |
| 2027 | <ul style="list-style-type: none">Review 100% of SWP3s submitted as required by ordinance.Maintain construction site inventory of all permitted sites. | <ul style="list-style-type: none">Review all applicable SWP3s submitted to the city to ensure compliance.Maintain an accurate, updated list/map of all active construction sites. |
| 2028 | <ul style="list-style-type: none">Review 100% of SWP3s submitted as required by ordinance.Maintain construction site inventory of all permitted sites. | <ul style="list-style-type: none">Review all applicable SWP3s submitted to the city to ensure compliance.Maintain an accurate, updated list/map of all active construction sites. |
| 2029 | <ul style="list-style-type: none">Review 100% of SWP3s submitted as required by ordinance.Maintain construction site inventory of all permitted sites. | <ul style="list-style-type: none">Review all applicable SWP3s submitted to the city to ensure compliance.Maintain an accurate, updated list/map of all active construction sites. |

C3 CONSTRUCTION SITE INSPECTIONS

The Environmental Coordinator and staff will conduct thorough inspections of all active construction sites to ensure compliance with stormwater pollution prevention measures. Inspections will cover SWP3 reviews, scheduled inspections, drive-by inspections, and complaint-based inspections, aiming to inspect at least 80% of active sites.

Inspection Procedures

1. Inspection Criteria:

- Focus on water quality threats, including:
 - Soil erosion potential.
 - Site slope.
 - Project size and type.
 - Proximity to sensitive water bodies.
 - Non-stormwater discharges.
 - History of noncompliance.

2. Timing:

- Inspections occur during the active construction phase.

3. Written Procedures:

- Develop and maintain updated written procedures outlining inspection and enforcement requirements.
- Procedures must be on-site or within the SWMP and available for TCEQ review.

4. Inspection Requirements:

- Verify that the site has appropriate TPDES CGP, TXR150000 coverage; notify permittee if no coverage exists.
- Ensure control measures are selected, installed, and maintained per the small MS4's requirements.
- Assess compliance with ordinances and other regulations.
- Provide written or electronic inspection reports.

5. Follow-Up Actions:

- Conduct additional inspections or enforcement as needed based on findings.
- Track and document all follow-up and enforcement actions for TCEQ review.

The frequency and location of inspections will be determined based on historical issues and threats to water quality. Written procedures and inspection reports, including findings and follow-up actions, must be maintained and available for TCEQ review.

RESPONSIBLE PARTY

- “Stormwater”

TARGET AUDIENCE

- Business
- Commercial/Industrial
- Construction

RATIONALE FOR SELECTION

- Compliance with the **Small MS4 General Permit**, which mandates construction site inspections as a core requirement.
- Builds on existing inspection practices based on submitted SWP3s.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|--|
| 2025 | <ul style="list-style-type: none">• Continue existing construction inspections and documentation. | <ul style="list-style-type: none">• Track and report the number of inspections conducted annually.• Maintain documentation of inspection findings, follow-up actions, and enforcement activities for TCEQ review. |
| 2026 | <ul style="list-style-type: none">• Continue existing construction inspections and documentation | <ul style="list-style-type: none">• Track and report the number of inspections conducted annually.• Maintain documentation of inspection findings, follow-up actions, and enforcement activities for TCEQ review |
| 2027 | <ul style="list-style-type: none">• Continue existing construction inspections and documentation | <ul style="list-style-type: none">• Track and report the number of inspections conducted annually.• Maintain documentation of inspection findings, follow-up actions, and enforcement activities for TCEQ review |
| 2028 | <ul style="list-style-type: none">• Continue existing construction inspections and documentation | <ul style="list-style-type: none">• Track and report the number of inspections conducted annually.• Maintain documentation of inspection findings, follow-up actions, and enforcement activities for TCEQ review |
| 2029 | <ul style="list-style-type: none">• Continue existing construction inspections and documentation | <ul style="list-style-type: none">• Track and report the number of inspections conducted annually.• Maintain documentation of inspection findings, follow-up actions, and enforcement activities for TCEQ review |

C4 CONSTRUCTION GENERAL PERMIT TRAINING

The City of Wichita Falls provides written materials, training, and direct support to ensure compliance with stormwater quality control requirements at construction sites. This program informs City staff, developers, and contractors about the **TPDES General Construction Permit (TXR150000)** requirements and promotes best management practices (BMPs) for stormwater

pollution prevention. Documents are available to the public on the City's Storm Water Management webpage.

Permit Application Notice

- A notice on the "Building Permit Application" informs applicants about the need to submit a **Notice of Intent (NOI)** or **Construction Site Notice (CSN)** to the Environmental Coordinator before starting construction.

Environmental Coordinator Responsibilities

1. Site Plan Review

- As part of the Site Eplan Review Committee, the Environmental Coordinator reviews all construction and demolition site plans that disturb one or more acres.
- Ensures **SWP3 compliance** with TCEQ General Construction Permit (TXR150000).

2. Review Process

- Provides review comments to the operator.
- Building permits are not issued until the **SWP3 revisions** are satisfactory and approved.

Education and Support

- The Environmental Coordinator educates builders, contractors, and developers on stormwater regulations and BMPs, particularly those new to Wichita Falls.
- Provides guidance materials and clarifies requirements during initial inspections, especially for those unfamiliar with TXR150000.

Training Requirements

- Staff implementing the construction stormwater program undergo training via:
 - Online courses.
 - Hands-on field training.
 - Conferences and in-person sessions.

Inspection Program

- Includes developed guidance documents, inspection forms, and exit interview forms for use during construction site inspections.

RESPONSIBLE PARTY

- "Stormwater"

TARGET AUDIENCE

- Employees
- Business

- Commercial/Industrial
- Construction

RATIONALE FOR SELECTION

- Employee training is required under the **Small MS4 General Permit**.
- Educating local contractors and developers ensures widespread understanding of BMPs and regulatory requirements.
-

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|-------------|---|--|
| 2025 | <ul style="list-style-type: none"> • Train MS4 staff through online courses and in-person course. • Educate developers and contractors as needed. | <ul style="list-style-type: none"> • Staff Training: Track the number of completed courses by MS4 staff annually. • Developer/Contractor Education: Document and track the number of instances developers and contractors were educated. |
| 2026 | <ul style="list-style-type: none"> • Train MS4 staff through online courses and in-person course. • Educate developers and contractors as needed. | <ul style="list-style-type: none"> • Staff Training: Track the number of completed courses by MS4 staff annually. • Developer/Contractor Education: Document and track the number of instances developers and contractors were educated. |
| 2027 | <ul style="list-style-type: none"> • Train MS4 staff through online courses and in-person course. • Educate developers and contractors as needed. | <ul style="list-style-type: none"> • Staff Training: Track the number of completed courses by MS4 staff annually. • Developer/Contractor Education: Document and track the number of instances developers and contractors were educated. |
| 2028 | <ul style="list-style-type: none"> • Train MS4 staff through online courses and in-person course. • Educate developers and contractors as needed. | <ul style="list-style-type: none"> • Staff Training: Track the number of completed courses by MS4 staff annually. • Developer/Contractor Education: Document and track the number of instances developers and contractors were educated. |
| 2029 | <ul style="list-style-type: none"> • Train MS4 staff through online courses and in-person course. • Educate developers and contractors as needed. | <ul style="list-style-type: none"> • Staff Training: Track the number of completed courses by MS4 staff annually. • Developer/Contractor Education: Document and track the number of instances developers and contractors were educated. |

C5 STORMWATER HOTLINE FOR RECEIPT OF PUBLIC COMMENT

The City of Wichita Falls facilitates public participation in its stormwater management program by providing multiple accessible tools for reporting stormwater-related concerns and violations.

These resources enhance communication between the City and its residents, promoting awareness and compliance with stormwater regulations.

Reporting Tools

1. **Non-Emergency Hotline**
 - A dedicated phone line for citizens to report stormwater-related issues.
2. **Report-A-Concern**
 - An online reporting system available through the City's website via the Comcate platform.
3. **Mobile App**
 - The **Access Wichita Falls** app enables residents to report concerns directly from their mobile devices.

These tools support the reporting of concerns such as:

- Illicit discharges.
- Illegal dumping.
- Construction site violations.

RESPONSIBLE PARTY

- **“Stormwater”**

TARGET AUDIENCE

- Residents
- Visitors
- Employees
- Business
- Commercial/Industrial
- Construction

RATIONALE FOR SELECTION

- The reporting tools provide a streamlined method for citizens to engage with the City's stormwater management efforts.
- Empowering the public to report violations enhances community involvement and contributes to identifying and addressing stormwater issues efficiently.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|--|
| 2025 | <ul style="list-style-type: none"> Publicize storm water reporting tools Track public comments and investigations | <ul style="list-style-type: none"> Public Awareness: Ensure effective promotion of reporting tools through City channels (website, social media, public meetings). Tracking: Record and document all public comments, complaints, and the resulting investigations. Reporting: Annually summarize the number of public comments received and the outcomes of the investigations. |
| 2026 | <ul style="list-style-type: none"> Publicize storm water reporting tools Track public comments and investigations | <ul style="list-style-type: none"> Public Awareness: Ensure effective promotion of reporting tools through City channels (website, social media, public meetings). Tracking: Record and document all public comments, complaints, and the resulting investigations. Reporting: Annually summarize the number of public comments received and the outcomes of the investigations. |
| 2027 | <ul style="list-style-type: none"> Publicize storm water reporting tools Track public comments and investigations | <ul style="list-style-type: none"> Public Awareness: Ensure effective promotion of reporting tools through City channels (website, social media, public meetings). Tracking: Record and document all public comments, complaints, and the resulting investigations. Reporting: Annually summarize the number of public comments received and the outcomes of the investigations. |
| 2028 | <ul style="list-style-type: none"> Publicize storm water reporting tools Track public comments and investigations | <ul style="list-style-type: none"> Public Awareness: Ensure effective promotion of reporting tools through City channels (website, social media, public meetings). Tracking: Record and document all public comments, complaints, and the resulting investigations. Reporting: Annually summarize the number of public comments received and the outcomes of the investigations. |
| 2029 | <ul style="list-style-type: none"> Publicize storm water reporting tools Track public comments and investigations | <ul style="list-style-type: none"> Public Awareness: Ensure effective promotion of reporting tools through City channels (website, social media, public meetings). Tracking: Record and document all public comments, complaints, and the resulting investigations. Reporting: Annually summarize the number of public comments received and the outcomes of the investigations. |

C6 MAINTAIN A CONSTRUCTION SITE INVENTORY

The City of Wichita Falls will maintain a comprehensive inventory of all TPDES-permitted active construction sites within the small MS4 area. This effort ensures effective oversight of construction activities to support water quality management.

Inventory Components

1. Scope

- **Sites Included:**
 - Sites disturbing **one or more acres** of land.
 - Sites disturbing **less than one acre** if part of a **larger common plan** or development.
- **Notification Requirements:**
 - Operators must submit a copy of a **Notice of Intent (NOI)** or **Small Construction Site Notice (CSN)** to the City's MS4 for inclusion in the inventory.

2. Inventory Format

- A physical file for detailed records.
- A **GIS layer** to categorize sites:
 - **Small sites:** 1–5 acres.
 - **Large sites:** Greater than 5 acres.
- The GIS layer will highlight construction sites located near sensitive water bodies.

3. Access for Review

- The inventory will be made available to the **TCEQ** upon request.

RESPONSIBLE PARTY

- “Stormwater”

TARGET AUDIENCE

- Employees
- Construction

RATIONALE FOR SELECTION

- **Tracking:** The inventory provides a centralized method to monitor all active construction sites.
- **Water Quality Protection:** GIS mapping helps identify areas requiring special attention, particularly near water bodies.
- **Compliance:** Ensures that the city adheres to TPDES and Small MS4 General Permit requirements.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|--|
| 2025 | <ul style="list-style-type: none"> Maintain and update the GIS layer to distinguish between small and large sites | <ul style="list-style-type: none"> GIS Layer Maintenance: Ensure all sites are accurately represented and categorized. Document Submissions: Track the number of NOIs and CSNs submitted to the city. Data Availability: Maintain accurate and accessible records for TCEQ review. |
| 2026 | <ul style="list-style-type: none"> Maintain and update the GIS layer to distinguish between small and large sites | <ul style="list-style-type: none"> GIS Layer Maintenance: Ensure all sites are accurately represented and categorized. Document Submissions: Track the number of NOIs and CSNs submitted to the city. Data Availability: Maintain accurate and accessible records for TCEQ review. |
| 2027 | <ul style="list-style-type: none"> Maintain and update the GIS layer to distinguish between small and large sites | <ul style="list-style-type: none"> GIS Layer Maintenance: Ensure all sites are accurately represented and categorized. Document Submissions: Track the number of NOIs and CSNs submitted to the city. Data Availability: Maintain accurate and accessible records for TCEQ review. |
| 2028 | <ul style="list-style-type: none"> Maintain and update the GIS layer to distinguish between small and large sites | <ul style="list-style-type: none"> GIS Layer Maintenance: Ensure all sites are accurately represented and categorized. Document Submissions: Track the number of NOIs and CSNs submitted to the city. Data Availability: Maintain accurate and accessible records for TCEQ review. |
| 2029 | <ul style="list-style-type: none"> Maintain and update the GIS layer to distinguish between small and large sites | <ul style="list-style-type: none"> GIS Layer Maintenance: Ensure all sites are accurately represented and categorized. Document Submissions: Track the number of NOIs and CSNs submitted to the city. Data Availability: Maintain accurate and accessible records for TCEQ review. |

MCM 5: POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Numerous studies have documented that stormwater runoff from developed sites contributes significant pollutant loads to receiving waters. The increase in impervious surfaces such as rooftops, roads, and parking lots can increase urban runoff and have a detrimental impact on aquatic systems due to increased concentrations of sediment, nutrients, road salts, heavy metals, pathogenic bacteria, and petroleum hydrocarbons. The best way to mitigate stormwater impacts from new development is to use practices to treat, store, and infiltrate runoff onsite before it can affect downstream waterbodies. Innovative site designs that reduce imperviousness and smaller-scale low impact development practices may be dispersed throughout a site to achieve the goals of reducing flows and improving water quality.

As specified in the Small MS4 General Permit, the SWMP must include controls for post-construction stormwater management for new development and redevelopment projects. All permittees must 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. This applies to projects that disturb one (1) acre or more, including projects that disturb less than one (1) acre that are part of a larger common plan of development or sale. The post-construction program must apply to both public and private development sites.

Existing permittees, such as the City of Wichita Falls must assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. The City has determined that its current program, with minor modifications, meets the new permit requirements and reduces the discharge of pollutants from the MS4 to the MEP.

To comply with the regulatory requirements for this program element, the following BMPs have been selected by the City of Wichita Falls:

- PC-1 Post Construction Ordinance;
- PC-2 Long Term Operation and Maintenance of BMPs; and

The following BMP sheets describe individual BMPs in Wichita Fall's SWMP. The City Department that has the primary responsibility for implementing the BMP is listed in the Responsible Authority section. The primary department is listed in bold type font with quotations and any support departments are listed as unbolded font. The Applicability Section describes those sectors of the public that are targeted by the BMP. Wichita Fall's Post-Construction BMPs targets primarily construction site personnel, businesses, and commercial and industrial facilities.

PC1 POST CONSTRUCTION ORDINANCE

The City of Wichita Falls enforces multiple ordinances to ensure post-construction stormwater management, including adherence to drainage criteria, landscaping requirements, and detention facility agreements. These ordinances aim to minimize hydrological impacts and reduce pollutant discharge into the MS4 system, supporting compliance with the Small MS4 General Permit.

Key Ordinances and Requirements

1. Article VIII - Stormwater Management Ordinance

- **Drainage Studies:**

- Required for single-family residential developments covering **two or more acres**.
- Must be prepared by a **licensed professional engineer** in Texas with expertise in drainage analysis and modeling.

- **Post-Construction Stormwater Controls:**

- Mandated to manage runoff effectively after development.

2. Landscape Ordinance

- **Landscaped Strip:**

- At least **five feet wide**, located adjacent to but separate from the sidewalk or right-of-way.
- Functions as a **grass swale filtration system**, reducing pollutant levels and minimizing hydrological runoff.

- **Purpose:** Improves water quality and complies with MS4 permit requirements.

3. Article VII - Stormwater Management

- **Detention Facilities Agreement:**

- A legally binding agreement between the developer and the City.
- Outlines the developer's responsibilities, easement areas, and access to detention facilities.

- **Final Stabilization Standards:**

- Requires achieving **70% native vegetative cover** for site stabilization.

RESPONSIBLE PARTY

- "Stormwater"
- Engineering

TARGET AUDIENCE

- Business
- Commercial/Industrial
- Construction

RATIONALE FOR SELECTION

- **Permit Compliance:** The Small MS4 General Permit mandates the development of regulatory mechanisms for post-construction stormwater management.
- **Enforcement Continuity:** The City will continue enforcing existing ordinances to support water quality protection.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|--|
| 2025 | <ul style="list-style-type: none">Enforce existing ordinances | <ul style="list-style-type: none">Track and document enforcement actions taken under Articles VII and VIII |
| 2026 | <ul style="list-style-type: none">Enforce existing ordinances | <ul style="list-style-type: none">Track and document enforcement actions taken under Articles VII and VIII |
| 2027 | <ul style="list-style-type: none">Enforce existing ordinances | <ul style="list-style-type: none">Track and document enforcement actions taken under Articles VII and VIII |
| 2028 | <ul style="list-style-type: none">Enforce existing ordinances | <ul style="list-style-type: none">Track and document enforcement actions taken under Articles VII and VIII |
| 2029 | <ul style="list-style-type: none">Enforce existing ordinances | <ul style="list-style-type: none">Track and document enforcement actions taken under Articles VII and VIII |

PC2 LONG TERM OPERATION AND MAINTENANCE OF BMPS

The City of Wichita Falls recognizes the importance of ongoing inspection and maintenance of Best Management Practices (BMPs) to ensure their effectiveness in post-construction stormwater management. This program includes mapping and maintaining both public and private BMPs to comply with the Small MS4 General Permit.

Program Components

1. **Inspection and Maintenance**
 - Public infrastructure BMPs are inspected and maintained by the city.
 - Privately maintained BMPs are governed through **detention facility agreements**, requiring owners to uphold their functionality.
2. **GIS Mapping**
 - **Public Infrastructure BMPs:** The City will maintain a GIS map of permanent BMPs requiring regular maintenance.
 - **Privately Maintained BMPs:** A separate GIS map of private BMPs will track locations and facilitate compliance monitoring.
3. **Citizen Reports and Complaints**
 - **Public Feedback:** Citizen-reported issues, submitted via the non-emergency hotline or Comcate, will prompt additional inspections and maintenance.

RESPONSIBLE PARTY

- “Streets”
- Stormwater

TARGET AUDIENCE

- Public Service Employees
- Business
- Commercial/Industrial
- Construction

RATIONALE FOR SELECTION

- **Regulatory Compliance:** The Small MS4 General Permit mandates long-term operation and maintenance of post-construction BMPs for developments disturbing one acre or more.
- **Effective Management:** Maintaining GIS maps and conducting regular inspections will ensure BMP performance, protecting water quality.
- **Accountability:** Public infrastructure BMPs are City-maintained, while privately owned BMPs are managed under enforceable agreements.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|--|
| 2025 | <ul style="list-style-type: none"> • Maintain GIS map of public infrastructure BMPs. • Maintain public infrastructure BMPs as needed. • Maintain GIS map of privately maintained BMPs. | <ul style="list-style-type: none"> • GIS Map Updates: Track and document edits to public and private BMP maps. • Inspection Frequency: Monitor and report the number of inspections performed for public and private BMPs. • Maintenance Records: Maintain logs of maintenance activities conducted for public BMPs. |
| 2026 | <ul style="list-style-type: none"> • Maintain GIS map of public infrastructure BMPs. • Maintain public infrastructure BMPs as needed. • Maintain GIS map of privately maintained BMPs. | <ul style="list-style-type: none"> • GIS Map Updates: Track and document edits to public and private BMP maps. • Inspection Frequency: Monitor and report the number of inspections performed for public and private BMPs. • Maintenance Records: Maintain logs of maintenance activities conducted for public BMPs. |
| 2027 | <ul style="list-style-type: none"> • Maintain GIS map of public infrastructure BMPs. • Maintain public infrastructure BMPs as needed. • Maintain GIS map of privately maintained BMPs. | <ul style="list-style-type: none"> • GIS Map Updates: Track and document edits to public and private BMP maps. • Inspection Frequency: Monitor and report the number of inspections performed for public and private BMPs. • Maintenance Records: Maintain logs of maintenance activities conducted for public BMPs. |
| 2028 | <ul style="list-style-type: none"> • Maintain GIS map of public infrastructure BMPs. • Maintain public infrastructure BMPs as needed. • Maintain GIS map of privately maintained BMPs. | <ul style="list-style-type: none"> • GIS Map Updates: Track and document edits to public and private BMP maps. • Inspection Frequency: Monitor and report the number of inspections performed for public and private BMPs. • Maintenance Records: Maintain logs of maintenance activities conducted for public BMPs. |
| 2029 | <ul style="list-style-type: none"> • Maintain GIS map of public infrastructure BMPs. • Maintain public infrastructure BMPs as needed. • Maintain GIS map of privately maintained BMPs. | <ul style="list-style-type: none"> • GIS Map Updates: Track and document edits to public and private BMP maps. • Inspection Frequency: Monitor and report the number of inspections performed for public and private BMPs. • Maintenance Records: Maintain logs of maintenance activities conducted for public BMPs. |

MCM 6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Stormwater pollution prevention will only be effective if the municipality is “practicing what it preaches”. Therefore, the City’s stormwater program must be founded on achievable pollution prevention measures for the city facilities and field operations.

As specified in the Small MS4 General Permit, all permittees shall develop and implement an operation and maintenance program, 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.

Existing permittees, such as the City of Wichita Falls must assess program elements that were described in the previous permit, modify as necessary, and develop and implement new elements, as necessary, to continue reducing the discharge of pollutants from the MS4 to the MEP. The City has determined that two (2) good housekeeping BMPs were redundant, and a reduction to 12 adheres to the goal of reducing the discharge of pollutants from the MS4 to the MEP, and eliminates confusion.

To comply with the regulatory requirements for this program element, the following BMPs have been selected by the City of Wichita Falls:

- GH 1 City Facilities and Control Inventory
- GH 2 Stormwater Pollution Prevention Training;
- GH 3 Disposal of Waste Material
- GH 4 Contractor Oversight
- GH 5 Municipal Operations and Maintenance
- GH 6 Street Sweeping Program
- GH 7 Deicing Storage and Tracking
- GH 8 Vehicle Fueling
- GH 9 Vehicle Washing
- GH10 Used Oil Collections and Recycling
- GH 11 Storm Drain Cleaning
- GH 12 Landscape and Lawn Care/Compost
- GH 13 Pesticides, Herbicides, Fertilizer

The following BMP sheets describe individual BMPs in Wichita Fall’s SWMP. The City Department that has the primary responsibility for implementing the BMP is listed in the Responsible Authority section. The primary department is listed in bold type font with quotations and any support departments are listed as unbolded font. The Applicability Section describes those

sectors of the public that are targeted by the BMP. Wichita Fall's Good Housekeeping and Pollution Prevention BMPs targets exclusively Public Service Employees.

GH 1 CITY FACILITIES AND CONTROL INVENTORY

The City of Wichita Falls will maintain a comprehensive inventory of all facilities and stormwater controls it owns and operates within the regulated area of the small MS4. This inventory is essential for complying with the Small MS4 General Permit and supporting effective stormwater management.

Program Components

1. Inventory Requirements

- The inventory will include permit numbers, registration numbers, and authorizations for all facilities and controls.
- Examples of facilities and controls in the inventory include:
 - Composting facilities
 - Equipment and vehicle storage yards
 - Public buildings (e.g., schools, police stations, fire stations)
 - Parking lots, golf courses, and swimming pools
 - Stormwater controls, landfills, and hazardous waste facilities

2. Annual Review and Updates

- The inventory will be reviewed and updated annually to reflect changes or additions to facilities and controls.

3. GIS Mapping

- A GIS map of all inventoried facilities and controls will be created and updated annually.

4. Facility Assessments

- All City-owned facilities will undergo an annual assessment to identify high-priority facilities requiring updates or additional controls.

RESPONSIBLE PARTY

- “Stormwater”

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- **Regulatory Compliance:** This inventory is mandated by the Small MS4 General Permit.
- **Enhanced Facility Management:** Comprehensive facility assessments and GIS mapping support effective stormwater management for Level 3 MS4s.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|---|
| 2025 | <ul style="list-style-type: none"> Conduct facility assessments of 100% of the city facilities. Identify high priority facility updates | <ul style="list-style-type: none"> Facility Assessments: Annually assess 100% of City-owned facilities for stormwater compliance. GIS Mapping: Create and maintain a GIS map of inventoried facilities and controls. Priority Updates: Identify and address updates needed for high-priority facilities annually. |
| 2026 | <ul style="list-style-type: none"> Conduct facility assessments of 100% of the city facilities. Identify high priority facility updates | <ul style="list-style-type: none"> Facility Assessments: Annually assess 100% of City-owned facilities for stormwater compliance. GIS Mapping: Create and maintain a GIS map of inventoried facilities and controls. Priority Updates: Identify and address updates needed for high-priority facilities annually. |
| 2027 | <ul style="list-style-type: none"> Conduct facility assessments of 100% of the city facilities. Identify high priority facility updates | <ul style="list-style-type: none"> Facility Assessments: Annually assess 100% of City-owned facilities for stormwater compliance. GIS Mapping: Create and maintain a GIS map of inventoried facilities and controls. Priority Updates: Identify and address updates needed for high-priority facilities annually. |
| 2028 | <ul style="list-style-type: none"> Conduct facility assessments of 100% of the city facilities. Identify high priority facility updates | <ul style="list-style-type: none"> Facility Assessments: Annually assess 100% of City-owned facilities for stormwater compliance. GIS Mapping: Create and maintain a GIS map of inventoried facilities and controls. Priority Updates: Identify and address updates needed for high-priority facilities annually. |
| 2029 | <ul style="list-style-type: none"> Conduct facility assessments of 100% of the city facilities. Identify high priority facility updates | <ul style="list-style-type: none"> Facility Assessments: Annually assess 100% of City-owned facilities for stormwater compliance. GIS Mapping: Create and maintain a GIS map of inventoried facilities and controls. Priority Updates: Identify and address updates needed for high-priority facilities annually. |

GH 2 STORMWATER POLLUTION PREVENTION TRAINING

The City of Wichita Falls has developed a comprehensive training program to educate City employees on stormwater pollution prevention techniques. The training program incorporates the Best Management Practices (BMP) and Standard Operating Procedures (SOP) manual specifically designed for City facility and maintenance operations. This initiative ensures compliance with permit requirements and promotes effective implementation of the Stormwater Management Plan (SWMP).

Program Components

1. Training Program Overview

- Training targets City employees in key departments, including Engineering, Water Distribution, Sanitation, Code Enforcement, Development, Streets, Central Service, Wastewater Collections, and Parks and Recreation.
- Training formats include presentations at safety meetings and online training modules.
- Departments are responsible for maintaining attendance records for annual reporting.

2. BMP/SOP Manual

- The BMP/SOP manual is reviewed and updated annually to ensure relevance and effectiveness.
- The manual serves as the primary training material and is customized based on departmental operational needs.

3. Annual Reporting

- Each department submits sign-in sheets for training sessions, ensuring compliance with attendance requirements.

RESPONSIBLE PARTY

- “Stormwater”

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- **Regulatory Compliance:** The permit mandates training for staff involved in implementing pollution prevention and good housekeeping measures.
- **Enhanced Operations:** Training ensures that City employees are knowledgeable about BMPs and SOPs, improving compliance and operational efficiency.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|---|
| 2025 | <ul style="list-style-type: none"> Conduct annual training for City facility and maintenance staff, incorporating the facility specific BMP/SOP Manual | <ul style="list-style-type: none"> Training Sessions: Conduct at least one training session per year for each relevant department. Attendance Records: Collect and maintain attendance sheets for each training session. BMP/SOP Manual: Review and update the BMP/SOP manual annually. |
| 2026 | <ul style="list-style-type: none"> Conduct annual training for City facility and maintenance staff, incorporating the facility specific BMP/SOP Manual | <ul style="list-style-type: none"> Training Sessions: Conduct at least one training session per year for each relevant department. Attendance Records: Collect and maintain attendance sheets for each training session. BMP/SOP Manual: Review and update the BMP/SOP manual annually. |
| 2027 | <ul style="list-style-type: none"> Conduct annual training for City facility and maintenance staff, incorporating the facility specific BMP/SOP Manual | <ul style="list-style-type: none"> Training Sessions: Conduct at least one training session per year for each relevant department. Attendance Records: Collect and maintain attendance sheets for each training session. BMP/SOP Manual: Review and update the BMP/SOP manual annually. |
| 2028 | <ul style="list-style-type: none"> Conduct annual training for City facility and maintenance staff, incorporating the facility specific BMP/SOP Manual | <ul style="list-style-type: none"> Training Sessions: Conduct at least one training session per year for each relevant department. Attendance Records: Collect and maintain attendance sheets for each training session. BMP/SOP Manual: Review and update the BMP/SOP manual annually. |
| 2029 | <ul style="list-style-type: none"> Conduct annual training for City facility and maintenance staff, incorporating the facility specific BMP/SOP Manual | <ul style="list-style-type: none"> Training Sessions: Conduct at least one training session per year for each relevant department. Attendance Records: Collect and maintain attendance sheets for each training session. BMP/SOP Manual: Review and update the BMP/SOP manual annually. |

GH 3 DISPOSAL OF WASTE MATERIAL

The City of Wichita Falls is committed to ensuring that all waste material generated by municipal separate storm sewer system (MS4) operations is disposed of in compliance with Texas Administrative Code (TAC) Chapters 330 and 335. This includes waste from street sweeping and storm drain cleanouts, which will be tracked and appropriately disposed of at permitted facilities.

Program Components

1. Waste Disposal Compliance

- Waste from MS4 activities, including street sweeping and storm drain cleanouts, will be disposed of according to TAC Chapter 330 (Municipal Solid Waste) and Chapter 335 (Industrial Solid Waste and Municipal Hazardous Waste).

2. Tracking and Documentation

- The city will track the disposal of waste through trip tickets, documenting the volume or tonnage of waste transported to approved landfills.
- Annual reports will include records of waste quantities and disposal compliance.

RESPONSIBLE PARTY

- “Streets”
- Sanitation
- Stormwater

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- **Regulatory Compliance:** The Small MS4 General Permit requires that waste material from MS4 operations be disposed of in accordance with TAC Chapters 330 and 335.
- **Environmental Stewardship:** Proper disposal of waste ensures environmental protection and prevents potential contamination from improperly managed materials.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|---|
| 2025 | <ul style="list-style-type: none"> Track trip tickets of street sweeping tonnage hauled to landfill | <ul style="list-style-type: none"> Track Waste Disposal: Ensure that 100% of MS4-generated waste is disposed of according to TAC Chapters 330 and 335 each year. Document Tonnage: Record and report the annual tonnage of waste transported to approved landfills. Maintain Compliance: Retain trip tickets and related documentation for annual review and reporting. |
| 2026 | <ul style="list-style-type: none"> Track trip tickets of street sweeping tonnage hauled to landfill | <ul style="list-style-type: none"> Track Waste Disposal: Ensure that 100% of MS4-generated waste is disposed of according to TAC Chapters 330 and 335 each year. Document Tonnage: Record and report the annual tonnage of waste transported to approved landfills. Maintain Compliance: Retain trip tickets and related documentation for annual review and reporting. |
| 2027 | <ul style="list-style-type: none"> Track trip tickets of street sweeping tonnage hauled to landfill | <ul style="list-style-type: none"> Track Waste Disposal: Ensure that 100% of MS4-generated waste is disposed of according to TAC Chapters 330 and 335 each year. Document Tonnage: Record and report the annual tonnage of waste transported to approved landfills. Maintain Compliance: Retain trip tickets and related documentation for annual review and reporting. |
| 2028 | <ul style="list-style-type: none"> Track trip tickets of street sweeping tonnage hauled to landfill | <ul style="list-style-type: none"> Track Waste Disposal: Ensure that 100% of MS4-generated waste is disposed of according to TAC Chapters 330 and 335 each year. Document Tonnage: Record and report the annual tonnage of waste transported to approved landfills. Maintain Compliance: Retain trip tickets and related documentation for annual review and reporting. |
| 2029 | <ul style="list-style-type: none"> Track trip tickets of street sweeping tonnage hauled to landfill | <ul style="list-style-type: none"> Track Waste Disposal: Ensure that 100% of MS4-generated waste is disposed of according to TAC Chapters 330 and 335 each year. Document Tonnage: Record and report the annual tonnage of waste transported to approved landfills. Maintain Compliance: Retain trip tickets and related documentation for annual review and reporting. |

GH 4 CONTRACTOR OVERSIGHT

The City of Wichita Falls will ensure that all contractors hired to perform maintenance activities on City-owned facilities comply with stormwater control measures, good housekeeping practices, and facility-specific Standard Operating Procedures (SOPs). Oversight of contractor activities is essential to maintain compliance with the Small MS4 General Permit.

Program Components

1. Contractual Compliance

- All contracts for maintenance activities on City-owned facilities will include clauses requiring adherence to stormwater control measures and SOPs.

2. Oversight Procedures

- Written procedures for contractor oversight will be developed and finalized by the end of the permit term.
- Oversight will ensure contractors are implementing appropriate stormwater management measures during their operations.

3. Documentation and Reporting

- Maintain records of issued contracts and contractor compliance.
- Oversight procedures and records will be made available for review by the Texas Commission on Environmental Quality (TCEQ).

RESPONSIBLE PARTY

- “Engineering”

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- **Regulatory Compliance:** Oversight is required by the Small MS4 General Permit to ensure contractors adhere to stormwater control measures and SOPs.
- **Accountability:** Enforcing contractor compliance supports the City’s pollution prevention and good housekeeping goals.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|--|
| 2025 | <ul style="list-style-type: none"> Develop oversight procedures | <ul style="list-style-type: none"> Develop Written Oversight Procedures: Finalize and implement contractor oversight procedures by the end of the permit term. Track Contracts Issued: Report the number of maintenance contracts issued each year that include stormwater compliance requirements. Ensure Compliance: Conduct oversight of contractor activities to verify adherence to stormwater control measures and SOPs. |
| 2026 | <ul style="list-style-type: none"> Implement oversight procedures | <ul style="list-style-type: none"> Develop Written Oversight Procedures: Finalize and implement contractor oversight procedures by the end of the permit term. Track Contracts Issued: Report the number of maintenance contracts issued each year that include stormwater compliance requirements. Ensure Compliance: Conduct oversight of contractor activities to verify adherence to stormwater control measures and SOPs. |
| 2027 | <ul style="list-style-type: none"> Implement oversight procedures | <ul style="list-style-type: none"> Develop Written Oversight Procedures: Finalize and implement contractor oversight procedures by the end of the permit term. Track Contracts Issued: Report the number of maintenance contracts issued each year that include stormwater compliance requirements. Ensure Compliance: Conduct oversight of contractor activities to verify adherence to stormwater control measures and SOPs. |
| 2028 | <ul style="list-style-type: none"> Implement oversight procedures | <ul style="list-style-type: none"> Develop Written Oversight Procedures: Finalize and implement contractor oversight procedures by the end of the permit term. Track Contracts Issued: Report the number of maintenance contracts issued each year that include stormwater compliance requirements. Ensure Compliance: Conduct oversight of contractor activities to verify adherence to stormwater control measures and SOPs. |
| 2029 | <ul style="list-style-type: none"> Implement oversight procedures | <ul style="list-style-type: none"> Develop Written Oversight Procedures: Finalize and implement contractor oversight procedures by the end of the permit term. Track Contracts Issued: Report the number of maintenance contracts issued each year that include stormwater compliance requirements. Ensure Compliance: Conduct oversight of contractor activities to verify adherence to stormwater control measures and SOPs. |

GH 5 MUNICIPAL OPERATION AND MAINTENANCE ACTIVITIES

To meet the requirements of Part IV.D.6.(b)(5)a of the Small MS4 General Permit, the City of Wichita Falls will evaluate and address potential pollutant discharges from municipal operations and maintenance (O&M) activities annually.

O&M Activities Evaluation

The following activities will be reviewed annually to identify potential pollutants and implement pollution prevention (P2) measures:

- **Road and Parking Lot Maintenance:** Includes pothole repair, pavement marking, sealing, and repaving.
- **Bridge Maintenance:** Includes re-chipping, grinding, and saw cutting.
- **Cold Weather Operations:** Includes plowing, sanding, and de-icing, along with snow disposal area maintenance.
- **Right-of-Way Maintenance:** Includes mowing, herbicide and pesticide application, and vegetation planting.

Pollutants of Concern

Potential pollutants may include:

- Sediment
- Metals
- Hydrocarbons (e.g., benzene, toluene, ethylbenzene, xylenes)
- Chlorides
- Trash

Pollutants will be identified through an annual assessment of O&M activities, and specific P2 measures will be developed and implemented to reduce their discharge into stormwater systems.

Pollution Prevention Measures (P2)

1. **Development and Maintenance of BMP/SOP Manual**
 - A comprehensive BMP/SOP manual provides standardized procedures and serves as a reference for employees regarding pollution prevention and good housekeeping practices.
2. **Inspections and Maintenance**
 - Pollution prevention measures and structural controls will be inspected and maintained regularly to ensure their effectiveness.

RESPONSIBLE PARTY

- “Streets”
- Airport

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- Compliance with the Small MS4 General Permit mandates.
- Enhanced water quality through reduced pollutant discharges from O&M activities.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|---|
| 2025 | <ul style="list-style-type: none">• Review O&M activities for potential to discharge pollutants• Identify pollutants of concern• Identify P2 measures and/or structural control updates | <ul style="list-style-type: none">• Assessment results• List of pollutants of concern |
| 2026 | <ul style="list-style-type: none">• Visual inspection of P2 measures and/or structural controls• Maintain structural controls, as necessary• Implement P2 measures and/or structural control updates | <ul style="list-style-type: none">• Annual Evaluation: Assess O&M activities and identify pollutants of concern each year.• P2 Implementation: Develop and update P2 measures and/or structural controls as needed.• Inspection and Maintenance Logs: Maintain detailed logs for inspections and maintenance activities to ensure transparency and compliance. |
| 2027 | <ul style="list-style-type: none">• Visual inspection of P2 measures and/or structural controls• Maintain structural controls, as necessary | <ul style="list-style-type: none">• Annual Evaluation: Assess O&M activities and identify pollutants of concern each year.• P2 Implementation: Develop and update P2 measures and/or structural controls as needed.• Inspection and Maintenance Logs: Maintain detailed logs for inspections and maintenance activities to ensure transparency and compliance. |
| 2028 | <ul style="list-style-type: none">• Visual inspection of P2 measures and/or structural controls• Maintain structural controls, as necessary | <ul style="list-style-type: none">• Annual Evaluation: Assess O&M activities and identify pollutants of concern each year.• P2 Implementation: Develop and update P2 measures and/or structural controls as needed.• Inspection and Maintenance Logs: Maintain detailed logs for inspections and maintenance activities to ensure transparency and compliance. |
| 2029 | <ul style="list-style-type: none">• Visual inspection of P2 measures and/or structural controls• Maintain structural controls, as necessary | <ul style="list-style-type: none">• Annual Evaluation: Assess O&M activities and identify pollutants of concern each year.• P2 Implementation: Develop and update P2 measures and/or structural controls as needed.• Inspection and Maintenance Logs: Maintain detailed logs for inspections and maintenance activities to ensure transparency and compliance. |

GH 6 STREET SWEEPING PROGRAM

The City of Wichita Falls' Street Sweeping Program aims to reduce pollutants such as sediment, debris, metals, oil, grease, and fine-grained sediment that contribute to stormwater pollution. The program's efforts enhance water quality by minimizing the discharge of contaminants into streams, rivers, and lakes.

Program Components

1. Street Sweeping Operations

- **Coverage:** Sweep 100% of paved roads under City control annually (total curb miles: 1,822.4).
- **Tracking:** Utilize the City Works program to track street sweeping activities.
- **Equipment:** Employ two street sweepers to maintain coverage and frequency.

2. Material Disposal

- Dispose of roadway waste in compliance with 30 TAC Chapters 330 or 335.
- Document disposal procedures in the BMP/SOP manual, which is reviewed and updated annually.

3. Use of Expanded Shale and Crushed Rock

- The city applies non-toxic, high-quality expanded shale and crushed rock during cold weather operations.
- Materials are stored under cover to prevent stormwater contamination.
- Road salt is not currently used or planned but would also be stored under cover if necessary.

4. Environmental Considerations

- Remove applied materials as weather improves to minimize environmental impact.
- Continued use of environmentally inert and stable materials ensures minimal water quality impact.

RESPONSIBLE PARTY

- "Streets"
- Stormwater

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- Ongoing street cleaning operations comply with the requirements of the Small MS4 permit.
- Reduces pollutant discharge from roadways to receiving water bodies.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|---|
| 2025 | <ul style="list-style-type: none"> Continue existing street sweeping program. Track the number of lane miles swept. Track tons of ice chat used during icing events. | <ul style="list-style-type: none"> Sweep 2,500 curb miles annually and ensure comprehensive coverage of paved roads. Document the tonnage of materials swept and disposed of properly at approved sites. Monitor and track the usage of ice chat during cold weather events. |
| 2026 | <ul style="list-style-type: none"> Continue existing street sweeping program. Track the number of lane miles swept. Track tons of ice chat used during icing events. | <ul style="list-style-type: none"> Sweep 2,500 curb miles annually and ensure comprehensive coverage of paved roads. Document the tonnage of materials swept and disposed of properly at approved sites. Monitor and track the usage of ice chat during cold weather events. |
| 2027 | <ul style="list-style-type: none"> Continue existing street sweeping program. Track the number of lane miles swept. Track tons of ice chat used during icing events. | <ul style="list-style-type: none"> Sweep 2,500 curb miles annually and ensure comprehensive coverage of paved roads. Document the tonnage of materials swept and disposed of properly at approved sites. Monitor and track the usage of ice chat during cold weather events. |
| 2028 | <ul style="list-style-type: none"> Continue existing street sweeping program. Track the number of lane miles swept. Track tons of ice chat used during icing events. | <ul style="list-style-type: none"> Sweep 2,500 curb miles annually and ensure comprehensive coverage of paved roads. Document the tonnage of materials swept and disposed of properly at approved sites. Monitor and track the usage of ice chat during cold weather events. |
| 2029 | <ul style="list-style-type: none"> Continue existing street sweeping program. Track the number of lane miles swept. Track tons of ice chat used during icing events. | <ul style="list-style-type: none"> Sweep 2,500 curb miles annually and ensure comprehensive coverage of paved roads. Document the tonnage of materials swept and disposed of properly at approved sites. Monitor and track the usage of ice chat during cold weather events. |

GH 7 DEICEING STORAGE AND TRACKING

The Deicing Storage and Tracking program focuses on pollution prevention measures to reduce the discharge of pollutants from City-owned operations during deicing and anti-icing activities. This includes proper storage of materials and tracking their application to prevent runoff into the stormwater system.

Program Components

1. Material Tracking

- Track 100% of the application of deicing and anti-icing materials (e.g., ice chat) used during icing events.
- Record the total tonnage of materials applied each year and submit reports to the Environmental Coordinator.

2. Storage and Containment

- Ensure that deicing chemicals and ice chat are stored in a contained area with berms to prevent runoff.
- Maintain three berms around the storage area and inspect annually to confirm integrity and effectiveness.

3. Runoff Prevention

- Implement barriers or runoff controls around 100% of deicing storage areas to prevent discharges into surface waters.

RESPONSIBLE PARTY

- “Streets”
- Stormwater

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- Ensures compliance with the Small MS4 permit by implementing pollution prevention measures.
- Helps prevent contaminants from entering the stormwater system and receiving water bodies.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|---|
| 2025 | <ul style="list-style-type: none"> Track ice chat applied during icing events Inspect and maintain berms around chat material. | <ul style="list-style-type: none"> Application Tracking: Accurately record and report the tonnage of deicing materials applied during icing events. Containment Inspection: Perform annual inspections of berms and storage areas to ensure compliance with runoff prevention measures. Pollution Prevention: Verify that 100% of storage areas are adequately contained to prevent stormwater contamination. |
| 2026 | <ul style="list-style-type: none"> Track ice chat applied during icing events Inspect and maintain berms around chat material. | <ul style="list-style-type: none"> Application Tracking: Accurately record and report the tonnage of deicing materials applied during icing events. Containment Inspection: Perform annual inspections of berms and storage areas to ensure compliance with runoff prevention measures. Pollution Prevention: Verify that 100% of storage areas are adequately contained to prevent stormwater contamination. |
| 2027 | <ul style="list-style-type: none"> Track ice chat applied during icing events Inspect and maintain berms around chat material. | <ul style="list-style-type: none"> Application Tracking: Accurately record and report the tonnage of deicing materials applied during icing events. Containment Inspection: Perform annual inspections of berms and storage areas to ensure compliance with runoff prevention measures. Pollution Prevention: Verify that 100% of storage areas are adequately contained to prevent stormwater contamination. |
| 2028 | <ul style="list-style-type: none"> Track ice chat applied during icing events Inspect and maintain berms around chat material. | <ul style="list-style-type: none"> Application Tracking: Accurately record and report the tonnage of deicing materials applied during icing events. Containment Inspection: Perform annual inspections of berms and storage areas to ensure compliance with runoff prevention measures. Pollution Prevention: Verify that 100% of storage areas are adequately contained to prevent stormwater contamination. |
| 2029 | <ul style="list-style-type: none"> Track ice chat applied during icing events Inspect and maintain berms around chat material. | <ul style="list-style-type: none"> Application Tracking: Accurately record and report the tonnage of deicing materials applied during icing events. Containment Inspection: Perform annual inspections of berms and storage areas to ensure compliance with runoff prevention measures. Pollution Prevention: Verify that 100% of storage areas are adequately contained to prevent stormwater contamination. |

GH 8 VEHICLE FUELING

The **Vehicle Fueling** Best Management Practice (BMP) aims to prevent hydrocarbons and other pollutants from entering the MS4 through proper monitoring and maintenance of the City's underground storage tanks (USTs) and fueling areas.

Program Components

1. UST Leak Detection and Monitoring

- Utilize the installed Scald System to monitor USTs continuously when fluids are not flowing.
- Generate monthly leak detection reports and submit them to the Environmental Coordinator for review.

2. Spill Prevention and Response

- Maintain spill kits at both fueling stations (one for gasoline, one for diesel).
- Ensure appropriate signage for emergency fuel shut-off is displayed in all fueling areas.

3. Compliance with Regulations

- Ensure the fueling system remains compliant with TCEQ regulations to mitigate risks of leaks or spills.

RESPONSIBLE PARTY

- **“Central Services”**
- Stormwater
- Parks
- Streets
- Police
- Fire Departments
- Public Works

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- Prevents hydrocarbon contamination in stormwater runoff, protecting water quality.
- Required maintenance and monitoring of UST systems ensure compliance with TCEQ regulations.
- Spill kits and signage enhance safety and emergency preparedness in fueling areas.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|--|
| 2025 | <ul style="list-style-type: none"> Maintain UST leak detection systems. Confirm the presence and readiness of spill kits. | <ul style="list-style-type: none"> Monthly Reports: Generate and review UST system leak detection reports to monitor system integrity. Spill Kit Availability: Conduct regular checks to ensure spill kits are fully stocked and in proper locations at fueling stations. Regulatory Compliance: Verify adherence to TCEQ regulations and maintain all required signage and operational standards. |
| 2026 | <ul style="list-style-type: none"> Maintain UST leak detection systems. Confirm the presence and readiness of spill kits. | <ul style="list-style-type: none"> Monthly Reports: Generate and review UST system leak detection reports to monitor system integrity. Spill Kit Availability: Conduct regular checks to ensure spill kits are fully stocked and in proper locations at fueling stations. Regulatory Compliance: Verify adherence to TCEQ regulations and maintain all required signage and operational standards. |
| 2027 | <ul style="list-style-type: none"> Maintain UST leak detection systems. Confirm the presence and readiness of spill kits. | <ul style="list-style-type: none"> Monthly Reports: Generate and review UST system leak detection reports to monitor system integrity. Spill Kit Availability: Conduct regular checks to ensure spill kits are fully stocked and in proper locations at fueling stations. Regulatory Compliance: Verify adherence to TCEQ regulations and maintain all required signage and operational standards. |
| 2028 | <ul style="list-style-type: none"> Maintain UST leak detection systems. Confirm the presence and readiness of spill kits. | <ul style="list-style-type: none"> Monthly Reports: Generate and review UST system leak detection reports to monitor system integrity. Spill Kit Availability: Conduct regular checks to ensure spill kits are fully stocked and in proper locations at fueling stations. Regulatory Compliance: Verify adherence to TCEQ regulations and maintain all required signage and operational standards. |
| 2029 | <ul style="list-style-type: none"> Maintain UST leak detection systems. Confirm the presence and readiness of spill kits. | <ul style="list-style-type: none"> Monthly Reports: Generate and review UST system leak detection reports to monitor system integrity. Spill Kit Availability: Conduct regular checks to ensure spill kits are fully stocked and in proper locations at fueling stations. Regulatory Compliance: Verify adherence to TCEQ regulations and maintain all required signage and operational standards. |

GH 9 VEHICLE WASHING

The **Vehicle Washing** Best Management Practice (BMP) aims to ensure all City-owned and operated vehicles are washed in compliance with environmental standards to prevent pollutants from entering the MS4.

Program Components

1. **Designated Washing Facility**
 - Vehicle washing will be conducted at one of three covered wash bays located at the Central Services facility.
2. **Grit Trap Maintenance**
 - Grit traps will capture wastewater pollutants such as oil, grease, sediment, and debris.
 - Regular and as-needed cleaning of grit traps will ensure effective pollutant filtration and prevent backups.
3. **Wastewater Management**
 - Wastewater from vehicle washing is filtered through grit traps to protect water quality.
 - Cleaning reports will be submitted to the Environmental Coordinator for tracking.

RESPONSIBLE PARTY

- “Central Services”
- Stormwater
- Parks
- Streets
- Police
- Fire Departments
- Public Works

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- Centralized vehicle washing ensures effective wastewater management and pollution prevention.
- Grit traps reduce the risk of harmful pollutants entering the MS4.
- Compliance with regulations protects water quality in the local environment.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|--|
| 2025 | <ul style="list-style-type: none"> Maintain and clean grit traps. | <ul style="list-style-type: none"> Grit Trap Cleaning: Regularly clean grit traps to ensure functionality and effectiveness. Reporting: Submit reports of grit trap maintenance and cleaning activities to the Environmental Coordinator annually. Compliance: Maintain washing practices that prevent pollutant discharge into the MS4. |
| 2026 | <ul style="list-style-type: none"> Maintain and clean grit traps. | <ul style="list-style-type: none"> Grit Trap Cleaning: Regularly clean grit traps to ensure functionality and effectiveness. Reporting: Submit reports of grit trap maintenance and cleaning activities to the Environmental Coordinator annually. Compliance: Maintain washing practices that prevent pollutant discharge into the MS4 |
| 2027 | <ul style="list-style-type: none"> Maintain and clean grit traps. | <ul style="list-style-type: none"> Grit Trap Cleaning: Regularly clean grit traps to ensure functionality and effectiveness. Reporting: Submit reports of grit trap maintenance and cleaning activities to the Environmental Coordinator annually. Compliance: Maintain washing practices that prevent pollutant discharge into the MS4 |
| 2028 | <ul style="list-style-type: none"> Maintain and clean grit traps. | <ul style="list-style-type: none"> Grit Trap Cleaning: Regularly clean grit traps to ensure functionality and effectiveness. Reporting: Submit reports of grit trap maintenance and cleaning activities to the Environmental Coordinator annually. Compliance: Maintain washing practices that prevent pollutant discharge into the MS4 |
| 2029 | <ul style="list-style-type: none"> Maintain and clean grit traps. | <ul style="list-style-type: none"> Grit Trap Cleaning: Regularly clean grit traps to ensure functionality and effectiveness. Reporting: Submit reports of grit trap maintenance and cleaning activities to the Environmental Coordinator annually. Compliance: Maintain washing practices that prevent pollutant discharge into the MS4 |

GH 10 USED OIL COLLECTIONS AND RECYCLING

The **Used Oil Collections and Recycling** Best Management Practice (BMP) ensures proper handling, storage, recycling, and disposal of used oil generated by City maintenance operations to prevent environmental contamination.

Program Components

1. **Used Oil Recycling**
 - Collect used oil from maintenance operations at the Central Services Center.
 - Store used oil in a covered and secondary-contained area to prevent spills and leaks.
2. **Proper Disposal**
 - Used oil drums will be collected and recycled by an authorized vendor.
 - Disposal manifests will be maintained to ensure compliance and proper documentation.
3. **BMP/SO Manual**
 - Procedures for oil collection, storage, and recycling will be detailed in the BMP/SO manual.
 - Include these procedures in the annual training program for public service employees.

RESPONSIBLE PARTY

- **“Central Services”**
- Stormwater

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- Proper oil recycling minimizes the risk of contamination to creeks, rivers, and lakes.
- Ensures compliance with environmental regulations and maintains sustainable practices.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|---|
| 2025 | <ul style="list-style-type: none"> Recycle all used oil and oil filters. | <ul style="list-style-type: none"> Oil Recycling Volume: Track and report the total gallons of used oil recycled annually. Manifest Documentation: Submit disposal manifests to the Environmental Coordinator for tracking compliance. Pollution Prevention: Ensure storage areas are compliant, covered, and equipped with secondary containment to prevent spills or leaks. |
| 2026 | <ul style="list-style-type: none"> Recycle all used oil and oil filters. | <ul style="list-style-type: none"> Oil Recycling Volume: Track and report the total gallons of used oil recycled annually. Manifest Documentation: Submit disposal manifests to the Environmental Coordinator for tracking compliance. Pollution Prevention: Ensure storage areas are compliant, covered, and equipped with secondary containment to prevent spills or leaks. |
| 2027 | <ul style="list-style-type: none"> Recycle all used oil and oil filters. | <ul style="list-style-type: none"> Oil Recycling Volume: Track and report the total gallons of used oil recycled annually. Manifest Documentation: Submit disposal manifests to the Environmental Coordinator for tracking compliance. Pollution Prevention: Ensure storage areas are compliant, covered, and equipped with secondary containment to prevent spills or leaks. |
| 2028 | <ul style="list-style-type: none"> Recycle all used oil and oil filters. | <ul style="list-style-type: none"> Oil Recycling Volume: Track and report the total gallons of used oil recycled annually. Manifest Documentation: Submit disposal manifests to the Environmental Coordinator for tracking compliance. Pollution Prevention: Ensure storage areas are compliant, covered, and equipped with secondary containment to prevent spills or leaks. |
| 2029 | <ul style="list-style-type: none"> Recycle all used oil and oil filters. | <ul style="list-style-type: none"> Oil Recycling Volume: Track and report the total gallons of used oil recycled annually. Manifest Documentation: Submit disposal manifests to the Environmental Coordinator for tracking compliance. Pollution Prevention: Ensure storage areas are compliant, covered, and equipped with secondary containment to prevent spills or leaks. |

GH 11 STORM DRAIN CLEANING

The **Storm Drain Cleaning** Best Management Practice (BMP) is designed to reduce pollutants in stormwater by regularly inspecting and maintaining stormwater inlets, drainage ditches, and detention basins. Through the program, the City aims to remove sediment, floatables, debris, and other contaminants from the drainage system while ensuring compliance with regulations.

Program Components

1. **Storm Drain and Ditch Maintenance**
 - Inspect and clean storm drains, culverts, and natural/improved ditches.
 - Tasks include slope stabilization, sediment/debris/floatable removal, grading, and mowing.
2. **Detention Basin Maintenance**
 - Inspect City-controlled detention basins annually to ensure proper functionality.
3. **Disposal of Waste Materials**
 - Develop formalized procedures for disposing of dredge spoil, accumulated sediments, and floatables.
 - Ensure disposal aligns with **30 TAC Chapters 330 and 335**.
4. **Documentation**
 - Utilize the **Cityworks** work order system to document maintenance and cleaning activities.

RESPONSIBLE PARTY

- “Streets”
- Stormwater

TARGET AUDIENCE

- Public Service Employees

RATIONALE FOR SELECTION

- Ensures the drainage system functions efficiently and prevents blockages.
- Reduces pollutant load in stormwater by keeping floatables and sediment out of the system.
- Complies with requirements of the Small MS4 permit.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|---|--|
| 2025 | <ul style="list-style-type: none"> Inspect City-controlled detention basins and clean/maintain drainage ditches. | <ul style="list-style-type: none"> Inspection Metrics: Annual inspection of all City-controlled detention basins. Cleaning Metrics: Report the total linear feet of ditches cleaned and maintained. Waste Disposal Compliance: Ensure proper documentation and disposal of waste materials in compliance with regulatory requirements. |
| 2026 | <ul style="list-style-type: none"> Inspect City-controlled detention basins and clean/maintain drainage ditches | <ul style="list-style-type: none"> Inspection Metrics: Annual inspection of all City-controlled detention basins. Cleaning Metrics: Report the total linear feet of ditches cleaned and maintained. Waste Disposal Compliance: Ensure proper documentation and disposal of waste materials in compliance with regulatory requirements. |
| 2027 | <ul style="list-style-type: none"> Inspect City-controlled detention basins and clean/maintain drainage ditches | <ul style="list-style-type: none"> Inspection Metrics: Annual inspection of all City-controlled detention basins. Cleaning Metrics: Report the total linear feet of ditches cleaned and maintained. Waste Disposal Compliance: Ensure proper documentation and disposal of waste materials in compliance with regulatory requirements. |
| 2028 | <ul style="list-style-type: none"> Inspect City-controlled detention basins and clean/maintain drainage ditches | <ul style="list-style-type: none"> Inspection Metrics: Annual inspection of all City-controlled detention basins. Cleaning Metrics: Report the total linear feet of ditches cleaned and maintained. Waste Disposal Compliance: Ensure proper documentation and disposal of waste materials in compliance with regulatory requirements. |
| 2029 | <ul style="list-style-type: none"> Inspect City-controlled detention basins and clean/maintain drainage ditches | <ul style="list-style-type: none"> Inspection Metrics: Annual inspection of all City-controlled detention basins. Cleaning Metrics: Report the total linear feet of ditches cleaned and maintained. Waste Disposal Compliance: Ensure proper documentation and disposal of waste materials in compliance with regulatory requirements. |

GH 12 LANDSCAPE AND LAWN CARE / COMPOST

The **Landscape and Lawn Care / Compost** Best Management Practice (BMP) focuses on minimizing the use of chemical fertilizers and pesticides while encouraging water conservation and the recycling of organic materials. By providing compost to the public and using it in public areas, the City of Wichita Falls aims to reduce stormwater pollution, improve soil health, and promote environmentally friendly landscaping practices.

Program Components

1. Composting Operations

- The city provides weekly pickups of organic waste for composting.
- The compost is used within the city and distributed to residents to reduce the use of chemical fertilizers and herbicides.
- Compost is tracked at the landfill on a daily basis to ensure proper distribution.

2. Promotion of Water Conservation

- The city encourages water conservation through the **Xeriscaping** and **WaterWise Landscaping** campaigns.
- Irrigation of turf areas has ceased in order to conserve water.

3. Erosion Control through Compost

- Compost is used as an approved **erosion control BMP** for City construction projects.

4. Community Involvement

- The city offers **two compost giveaway events annually** where the public can receive compost free of charge.

RESPONSIBLE PARTY

- **“Sanitation”**
- Parks
- Stormwater

TARGET AUDIENCE

- Public Service Employees
- Citizens

RATIONALE FOR SELECTION

- Promotes **organic recycling** by reducing the use of chemical fertilizers and pesticides that could contaminate stormwater.
- Provides **organic material** to the public to encourage environmentally responsible landscaping.
- Supports **water conservation** and improves soil water retention in public areas.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|---|
| 2025 | <ul style="list-style-type: none"> Distribute compost to citizens and businesses. | <ul style="list-style-type: none"> Compost Production & Distribution: Track the total yards of compost produced and distributed to citizens and businesses. Public Education: Provide Fertilizer & Pesticide fact sheets to the public to inform them about environmentally responsible practices. |
| 2026 | <ul style="list-style-type: none"> Distribute compost to citizens and businesses. | <ul style="list-style-type: none"> Compost Production & Distribution: Track the total yards of compost produced and distributed to citizens and businesses. Public Education: Provide Fertilizer & Pesticide fact sheets to the public to inform them about environmentally responsible practices |
| 2027 | <ul style="list-style-type: none"> Distribute compost to citizens and businesses. | <ul style="list-style-type: none"> Compost Production & Distribution: Track the total yards of compost produced and distributed to citizens and businesses. Public Education: Provide Fertilizer & Pesticide fact sheets to the public to inform them about environmentally responsible practices |
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| 2029 | <ul style="list-style-type: none"> Distribute compost to citizens and businesses. | <ul style="list-style-type: none"> Compost Production & Distribution: Track the total yards of compost produced and distributed to citizens and businesses. Public Education: Provide Fertilizer & Pesticide fact sheets to the public to inform them about environmentally responsible practices |

GH 13 PESTICIDES, HERBICIDES, AND FERTILIZER

This **Best Management Practice (BMP)** focuses on reducing the discharge of pesticides, herbicides, and fertilizers into the Municipal Separate Storm Sewer System (MS4). While the State of Texas regulates the application of pesticides and herbicides by commercial entities, the City will ensure proper management practices within its jurisdiction to minimize their environmental impact.

Program Components

1. Pollution Prevention Manual

- The BMP/SO manual will include guidelines to reduce the discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers. This will be part of the **Pollution Prevention and Good Housekeeping Handbook**.

2. Staff Certification

- City staff members who apply pesticides and herbicides will maintain proper licensing as required by the State.

3. Fertilizer Application Management

- Fertilizer use will be minimized on municipal grounds by applying based on **soil test results** to determine the exact amount required.

4. Public Education

- The city will create and distribute a **Fertilizer & Pesticide fact sheet** to local **home and garden stores**, raising awareness among homeowners on reducing chemical use in landscaping

RESPONSIBLE PARTY

- **“Stormwater”**
- Parks
- Streets
- WWTPs

TARGET AUDIENCE

- Public Service Employees
- Citizens

RATIONALE FOR SELECTION

- To promote the **reduction of pesticides, herbicides, and fertilizers** used in City-owned facilities.
- To educate **homeowners** on best practices for minimizing the use of chemicals and promoting environmentally responsible lawn care.

IMPLEMENTATION SCHEDULE

| YEAR | IMPLEMENTATION ACTIVITY | MEASURABLE GOAL |
|------|--|--|
| 2025 | <ul style="list-style-type: none"> Maintain a list of City employees that have a license. Provide brochures to local home and garden stores. | <ul style="list-style-type: none"> Tracking of Licensed Applicators: Maintain an updated list of City employees with a license to apply pesticides and herbicides. Brochure Distribution: Track the number of brochures distributed to local home and garden stores for public education. |
| 2026 | <ul style="list-style-type: none"> Maintain a list of City employees that have a license Provide brochures to local home and garden stores. | <ul style="list-style-type: none"> Tracking of Licensed Applicators: Maintain an updated list of City employees with a license to apply pesticides and herbicides. Brochure Distribution: Track the number of brochures distributed to local home and garden stores for public education. |
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