Storm Water Management Program

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Collin County

McKinney, Texas 75069

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Collin County Storm Water Management Program (SWMP)

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List of Acronyms

BMP	Best Management Practice
CFR	Code of Federal Regulations
CGP	Construction General Permit
CSN	Construction Site Notice
CWA	Clean Water Act
DFW	Dallas-Fort Worth
EPA	Environmental Protection Agency
ESC	Erosion and Sediment Control
GIS	Geographic Information System
IDDE	Illicit Discharge Detection and Elimination
ILA	Inter-Local Agreement
iSWM	Integrated Storm Water Management
MCM	Minimum Control Measure
MS4	Municipal Separate Storm Sewer System
MEP	Maximum Extent Practicable
MSGP	Multi-Sector General Permit
NCTCOG	North Central Texas Council of Governments
NOC	Notice of Change
NOI	Notice of Intent
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
OSSF	On-Site Sewage Facilities
PP	Pollution Prevention
ROW	Right-of-Way
SOP	Standard Operating Procedures
SWMP	Storm Water Management Program
SWPPP	Storm Water Pollution Prevention Plan
TCEQ	Texas Commission on Environmental Quality
TMDL	Total Maximum Daily Load
TPDES	Texas Pollutant Discharge Elimination System
TSWQS	Texas Surface Water Quality Standards
UA	Urbanized Area
UAA	Use Attainability Analysis
U.S.	United States

1.0 PURPOSE OF PROGRAM

The objective of this Storm Water Management Program (SWMP) is to implement a program with which Collin County can reduce the discharge of pollutants in stormwater to the Maximum Extent Practicable (MEP). This program was originally developed in 2007 with much coordination between the County and the community to customize a program for Collin County that not only meets state and federal program requirements but also utilizes current activities, addresses issues that are important to the community, and is economically feasible.

The latest revision of the Municipal Separate Storm Sewer System (MS4) permit (TXR040000) issued by the Texas Commission on Environmental Quality (TCEQ) became effective on August 15, 2024, and included significant changes to the regulations.

The TCEQ was required to modify the State permit to comply with the Federal National Pollutant Discharge Elimination System (NPDES) MS4 General Permit Remand Rule that became effective on January 9, 2017, and requires permit language that is "clear, specific, and measurable". (See Federal Register, Vol. 81, No. 237, December 9, 2016.)

In addition to the changes to meet the Federal Remand Rule, the TCEQ opted to change their permitting approach from a "Two-Step General Permit" to a "Comprehensive General Permit" under the NPDES rule. This change required the addition of specific requirements in the permit for the Best Management Practices (BMPs) and measurable goals that must be implemented by each regulated MS4 in the State.

The "Comprehensive General Permit" approach:

a) simplifies the permitting process for applicants by removing requirements for small MS4s to submit the SWMP to TCEQ with applications for review and approval,

b) removes the public notice requirements for Notices of Intent (NOIs), including SWMPs, and certain Notices of Change (NOCs),

c) clarifies all the terms and conditions required to meet the MS4 permit standard under the federal rule, including the specific controls required to be followed by each permittee, and

d) provides public notice of the defined terms and conditions that will determine compliance for each permittee during the statewide master general permit public notice process.

The 2024 revised general permit also included updates to comply with the Federal NPDES Electronic Reporting Rule that became effective on December 21, 2015, and the NPDES Electronic Reporting Rule – Phase II Extension that became effective on January 4, 2021. The general permit now requires that small MS4s submit applications and annual reports electronically using the United States Environmental Protection Agency's (EPA's) NPDES electronic permitting and reporting system for the MS4 program, NeT-MS4 for compliance with NPDES Electronic Reporting Rule.

This SWMP was updated to comply with the most recent Phase II MS4 Permit (TXR040000) issued by TCEQ on August 15, 2024 and outlines the BMPs and measurable goals required to be implemented by Collin County.

2.0 DESCRIPTION OF AREA PROPOSED FOR PERMIT COVERAGE

2.1 Collin County Regulated Area Description

Previous MS4 permits issued by the TCEQ referenced the Urbanized Area (UA) as defined by the U.S. Census Bureau as the area regulated by Phase II Stormwater regulations. The Census Bureau originally defined an Urbanized Area (UA) as "…a land area comprising one or more places – central place(s) – and the adjacent densely settled surrounding area - urban fringe – that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile". UAs were delineated based on the 2000 and 2010 census data. With the issuance of the 2020 census data, the U.S. Census Bureau discontinued the delineation of UAs and instead delineates "Urban Areas".

Due to this change, the Federal Government issued the *NPDES Small MS4 Urbanized Area Clarification Rule* that became effective on July 12, 2023, and replaces the term "Urbanized Area" in the Phase II Stormwater regulations with the phrase "urban areas with a population of at least 50,000" (See Federal Register, Vol. 88, No. 112, June 12, 2023).

The 2024 revision of the State permit reflects this change in terminology from "Urbanized Areas" to "urban areas with a population of at least 50,000". The 2024 general permit identifies regulated small MS4s located within or partially within the urban areas with a population of at least 50,000 people as determined by the 2000, 2010, or 2020 Decennial Censuses.

Figure 1 illustrates the extents of the 2010 and 2020 regulated area in Collin County. As can be seen in **Figure 1**, the boundary of the regulated area changed from 2010 to 2020. It has expanded in some areas and contracted in others. The full extent of the regulated area includes those areas delineated by any of the decennial censuses since 2000.

While the extent of the Phase II MS4 regulated area has expanded over the two decades from 2000 to 2020, the extent of the Collin County's MS4 regulated area has shrunk due to annexation of urban development by communities in Collin County. With the annexation of unincorporated land areas into cities and towns, what was once considered Collin County's MS4 becomes part of that municipality's MS4.

Collin County's regulated area are small pockets of urban development that are non-contiguous and distributed primarily in south-central Collin County as shown in **Figure 2**.

Based on a GIS analysis, the portions of the regulated area that are located in unincorporated areas of Collin County are approximately 13.5 square miles. Using the EPA's urban density criteria of 1,000 people per square mile, it is estimated that the total population located in the Collin County's regulated MS4 area is approximately 13,500 people.

The North Central Texas Council of Governments (NCTCOG) estimates populations for jurisdictions in the DFW area. The NCTCOG estimates that as of January 1, 2024, the population of Collin County was 1,229,632, a 4.6% increase over 2023.

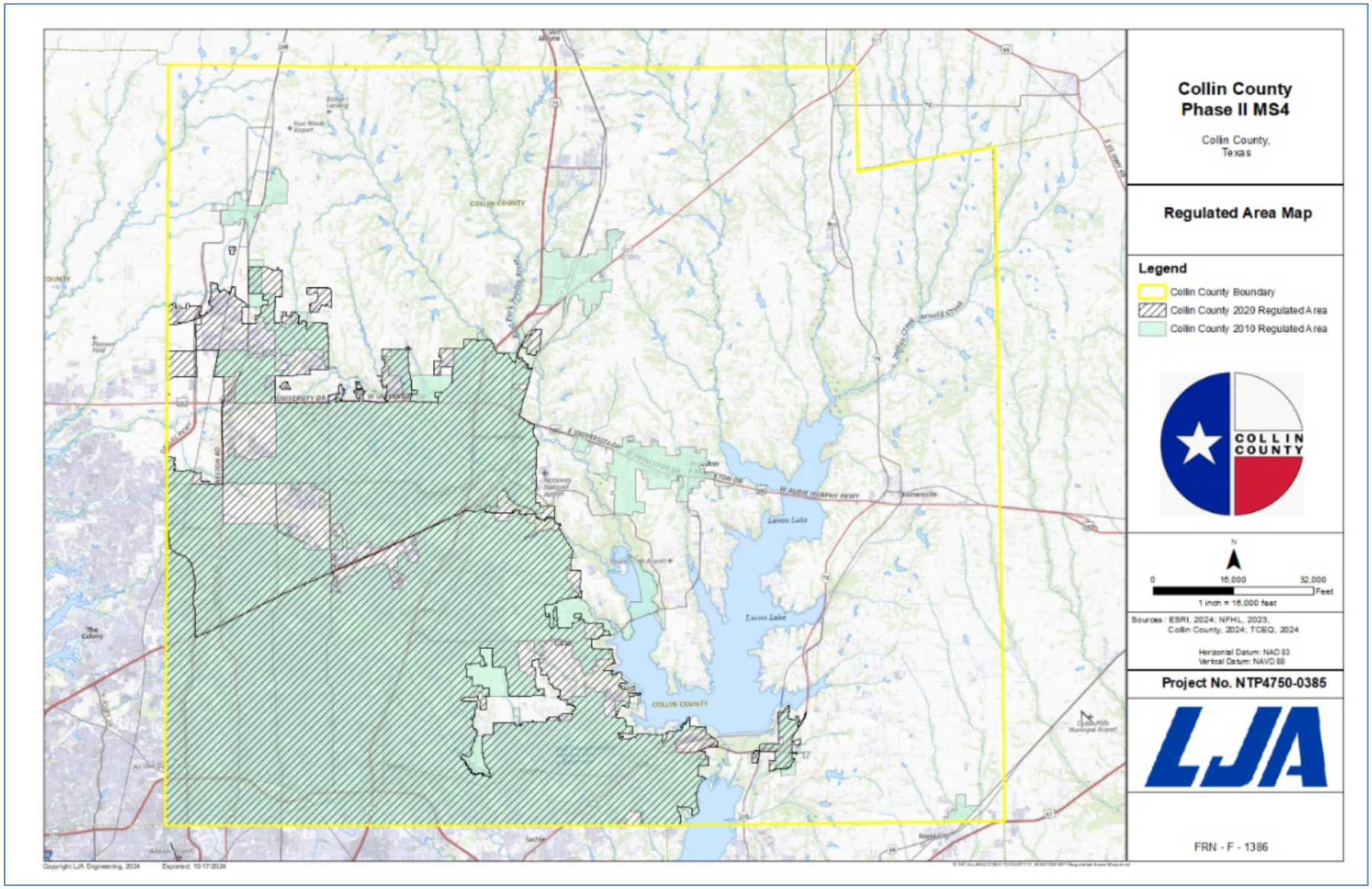


Figure 1. Regulated MS4 Area Map

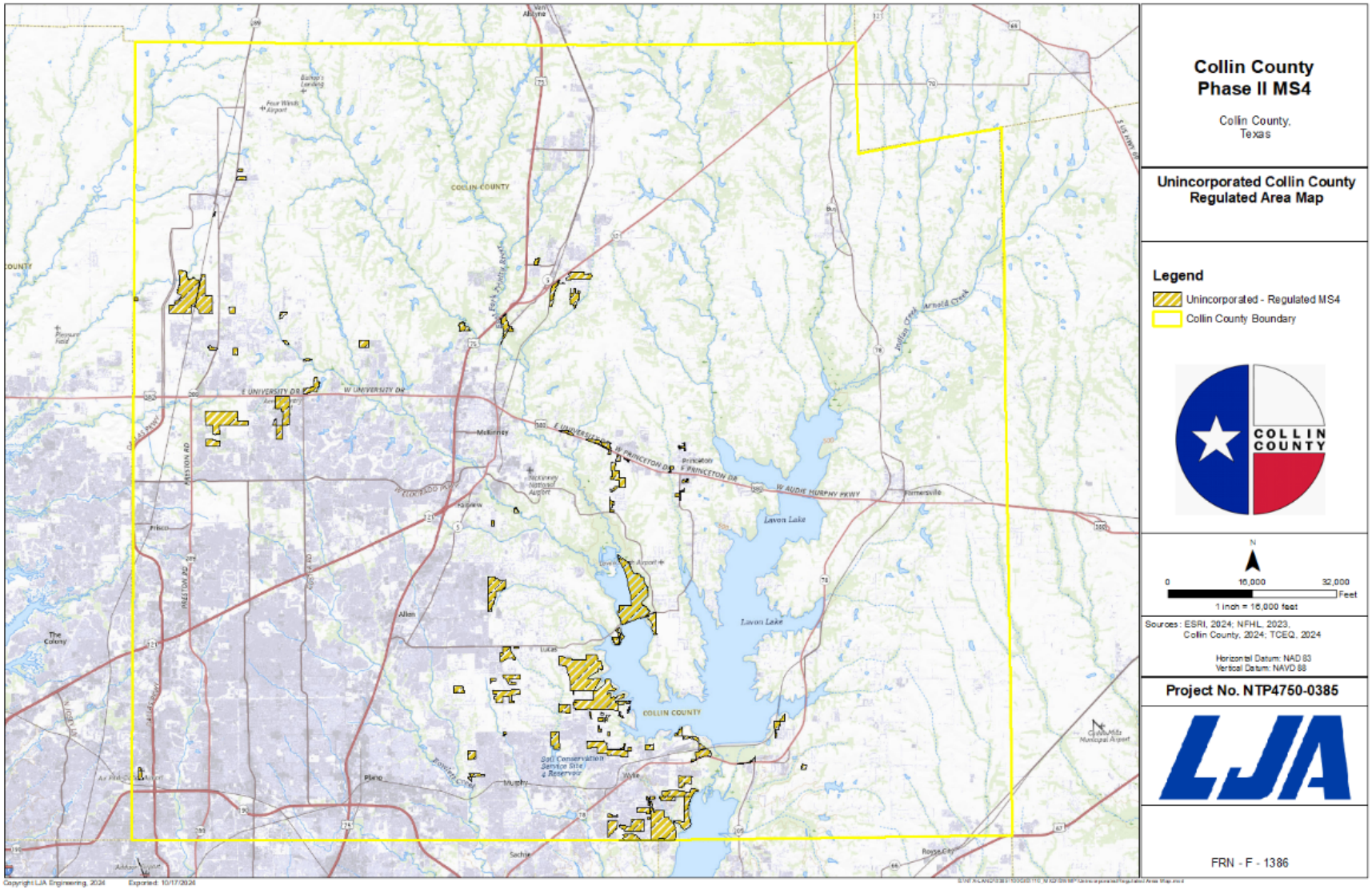


Figure 2. Regulated MS4 Areas in Unincorporated Collin County

2.2 MS4 Classification

The revised Small MS4 general permit issued on August 15, 2024, classifies MS4s based on their population served within the 2020 UA. All non-traditional MS4s such as counties are classified as Level 2b MS4s, which governs the requirements of the program. The population criteria for the different MS4 levels are shown in **Figure 3**.

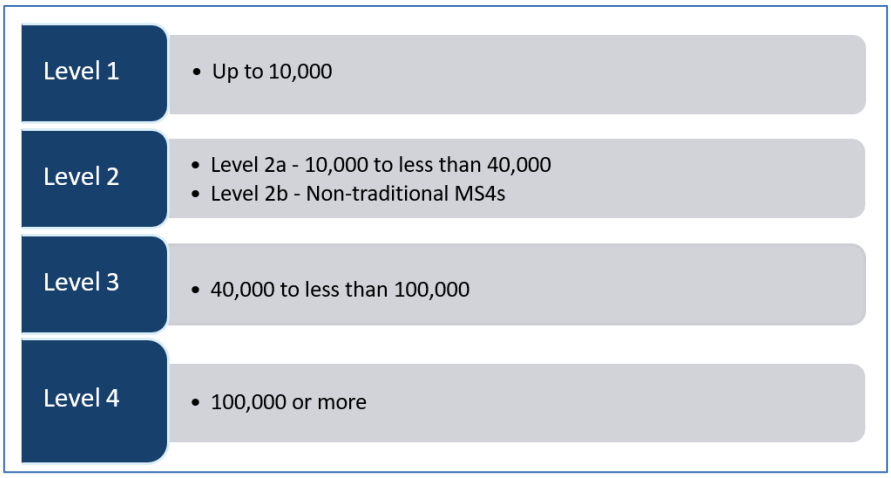


Figure 3. Population Criteria and MS4 Levels

2.3 Adjacent/Enclave MS4s

An MS4 is a conveyance that includes roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains that is owned and operated by a jurisdiction for the collection and conveyance of storm water. The MS4 operator is the public entity or the entity contracted by the public entity, responsible for management and operation of the small MS4. Regulated MS4s are any jurisdiction that is wholly or partially located within the regulated area based on the 2000, 2010 or 2020 Decennial Census.

Non-traditional MS4s that may also be regulated include counties, military bases, large hospitals, prison complexes, universities, municipal utility districts, drainage districts, and highways located within the regulated UA. For the purpose of the Small MS4 General Permit, Collin County is considered a non-traditional MS4 due to its lack of ability to enact and enforce ordinances.

Phase I MS4s located in Collin County include the Cities of Dallas and Plano. Eighteen permitted Phase II MS4s are located in Collin County (listed below) and are shown in **Figure 4**.

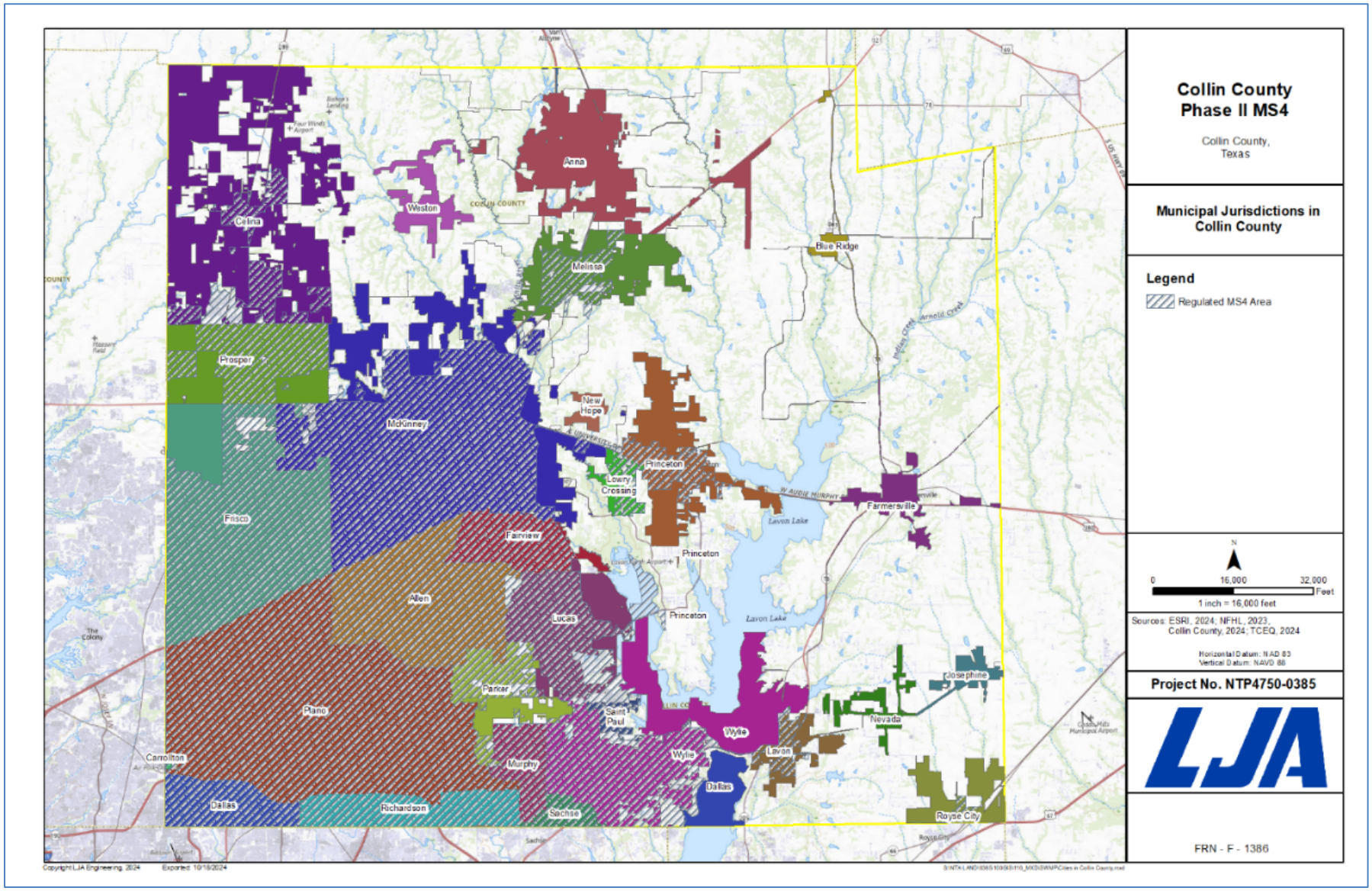


Figure 4. Municipalities in Collin County

MS4 Jurisdiction in Collin County	TCEQ Permit Numbers
City of Allen	TXR040092
City of Carrollton	TXR040326
City of Celina	TXR040454
Collin County	TXR040035
Town of Fairview	TXR040245
City of Frisco	TXR040248
City of Lavon	TXR040600
City of Lucas	TXR040547, TXR040177
City of McKinney	TXR040108
City of Melissa	TXR040503
City of Murphy	TXR040540, TXR040357
City of Parker	TXR040580, TXR040005
City of Princeton	TXR040670
Town of Prosper	TXR040500
City of Richardson	TXR040042
City of Sachse	TXR040127
The University of Texas at Dallas	TXR040254
City of Wylie	TXR040075

The following MS4s in Collin County had approved waivers based on population served within the regulated area during previous permit terms. The waivers have expired and will need to be resubmitted (if applicable).

- City of Lowry Crossing (TXRMW0063), expired 6/11/2014
- Town of New Hope (TXRMW0065), expired 7/23/2019
- Town of St. Paul (TXRMW0043), expired 7/23/2019

2.4 Receiving Waters

There are several waterbodies that receive stormwater discharges (either directly or indirectly) from the Collin County's MS4 outfalls. Classified and unclassified waterbodies located in Collin County are depicted in ***Figure 5***.

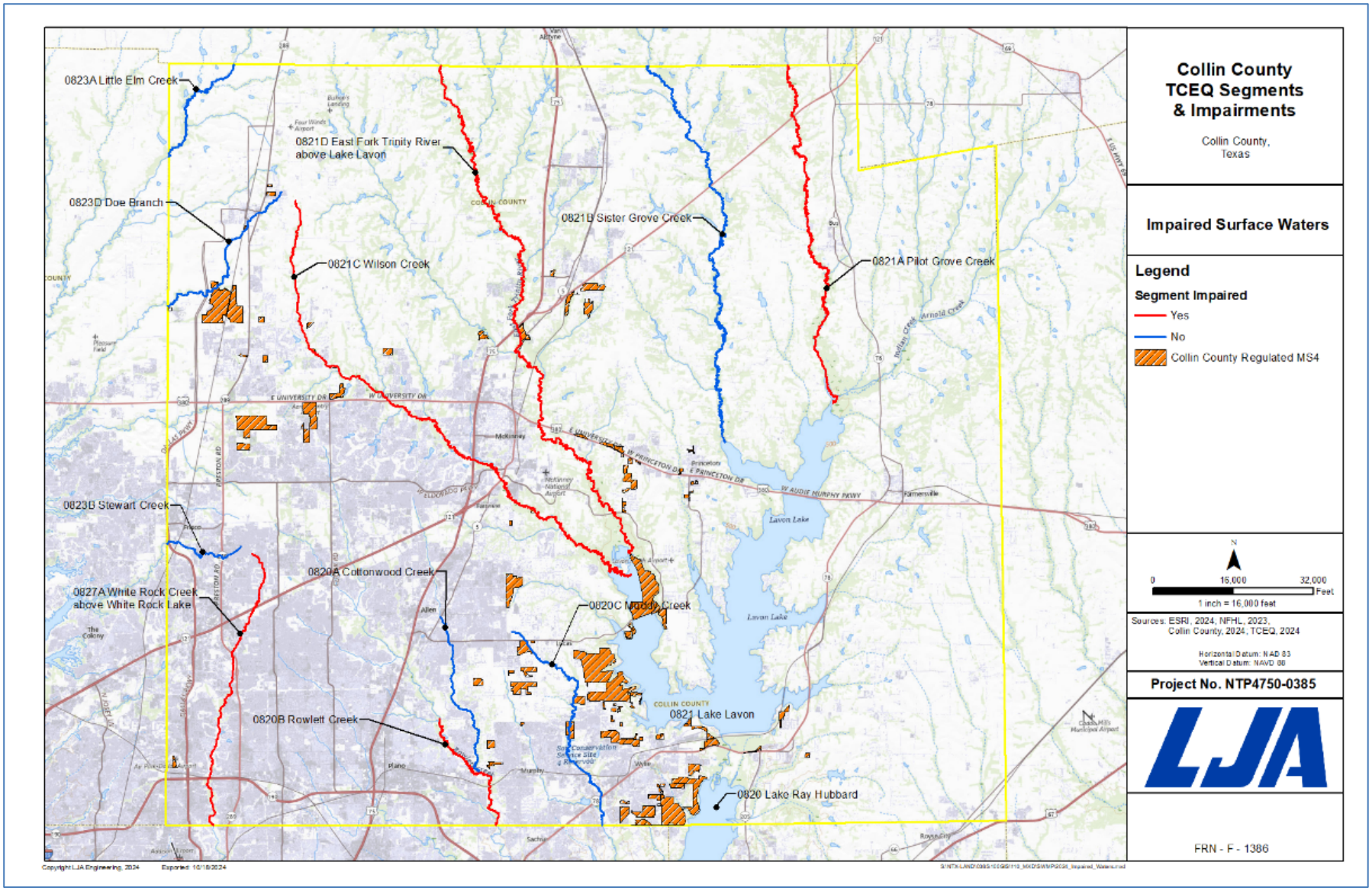


Figure 5. TCEQ Waterbodies in Collin County

2.4.1 Collin County's MS4 Outfalls

Collin County's MS4 consists primarily of roadside drainage ditches that outfall to streams and other waterbodies at bridges or culverts. In order to identify outfalls, a GIS analysis was performed to determine where County maintained roads and roadside ditches (located within regulated areas) intersect with streams or other watercourses. Depending on how the road is oriented relative to the regulated MS4 area, each bridge or culvert will have between one and four outfalls where the roadside ditches flow into a watercourse.

There is a small number of county-maintained roads that are curb and gutter with underground storm drain pipes. Outfalls in these areas are located where the storm drain pipes discharges to a stream.

A total of 53 outfalls were identified from Collin County's regulated MS4 as shown in ***Figure 6***. As indicated in ***Table 1***, most of the outfalls discharge indirectly to a TCEQ designated segment through a smaller tributary before flowing into a TCEQ segment. A detailed list of outfall locations is provided in **Appendix A** with waterbody and tributary names.

Three classified waterbodies and four unclassified stream segments receive storm water runoff from Collin County's MS4 outfalls as listed below.

Classified Segments

- 0820 – Lake Ray Hubbard
- 0821 – Lake Lavon
- 0823 – Lewisville Lake

Unclassified Segments

- 0820A – Cottonwood Creek
- 0820C – Muddy Creek
- 0821C – Wilson Creek
- 0821D – East Fork Trinity River above Lake Lavon

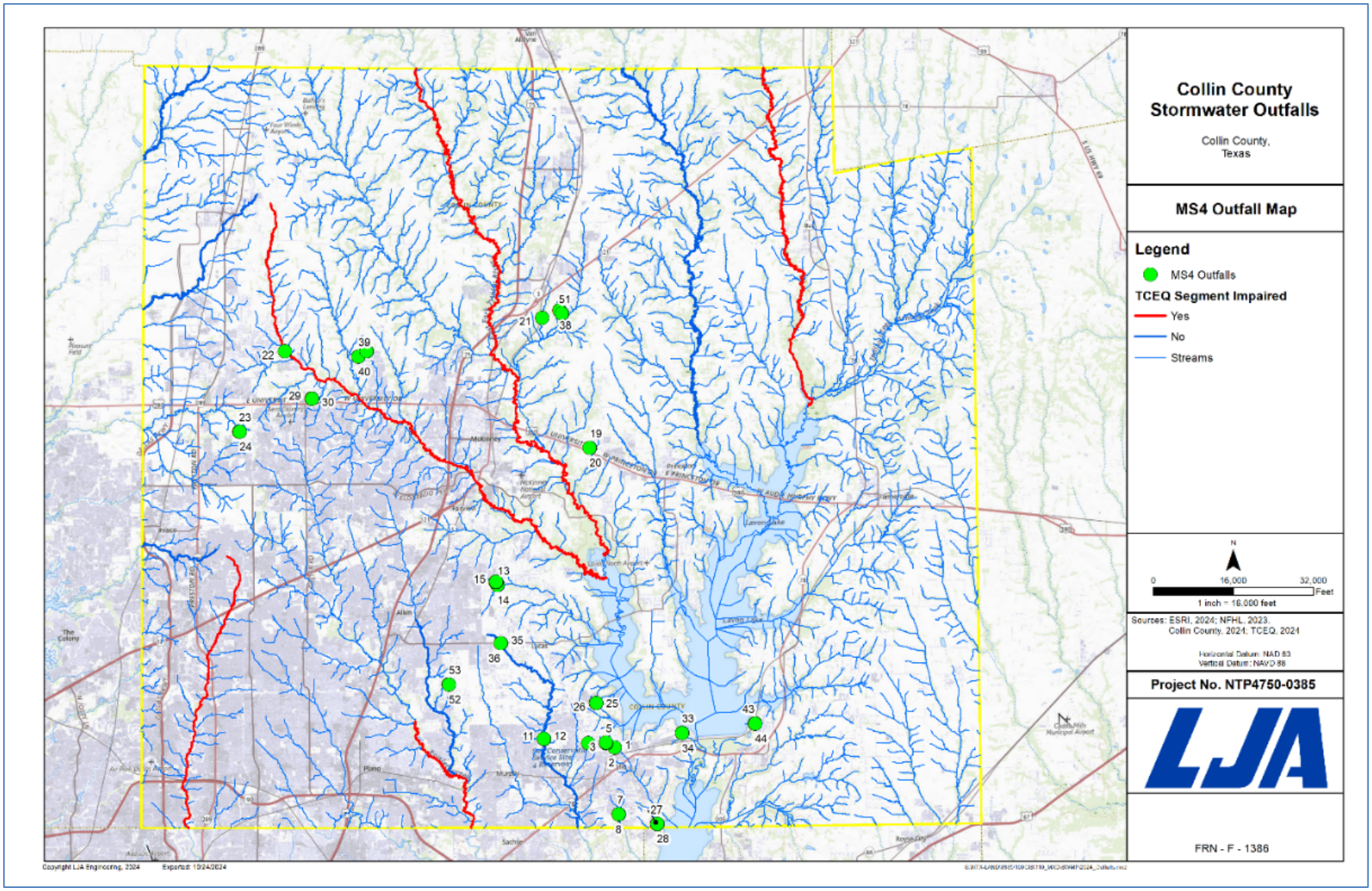


Figure 6. Collin County MS4 Outfalls

2.4.2 Waterbody Segments and Water Quality Status

A review of the Texas surface water quality monitoring program including the most recent Environmental Protection Agency (EPA) approved 303(d) list and Texas Integrated Report (IR) was conducted to identify any water quality impairments and pollutants of concern. The state's 2022 assessment of surface water quality was completed in June 2022 and approved by EPA on July 7, 2022. The draft 2024 303(d) list has not yet been approved by EPA. ***Table 1*** below lists the water quality impairments and concerns for classified and unclassified segments that receive stormwater from Collin County's MS4 outfalls.

Table 1. TCEQ Segments Receiving Stormwater from Collin County's Regulated MS4

Segment #	Segment Name	303(d) List, Impairments /Source (2022) -- None	Concerns /Source (2022) -- None	# of Outfalls	# of Direct Discharges	Approved TMDL	Watershed Protection Plan (WPP)
0820	Lake Ray Hubbard	--	--	16	0	No	No
0820A	Cottonwood Creek	--	--	2	0	No	Rowlett Creek WPP (Draft)
0820C	Muddy Creek	--	Nitrate/ Unknown	5	4	No	No
0821	Lake Lavon	--	--	12	0	No	Lake Lavon WPP
0821C	Wilson Creek	Bacteria/ Unknown	--	9	1	No	Lake Lavon WPP
0821D	East Fork Trinity River above Lake Lavon	Bacteria/ Unknown	--	7	0	No	Lake Lavon WPP
0823	Lewisville Lake	--	--	2	0	No	No

Lake Ray Hubbard (Segment 0820) is a 22,745-acre water supply reservoir that is located in Collin, Dallas, Rockwall and Kaufman counties. The reservoir was impounded in 1968 and designated uses include public water supply, contact recreation and high aquatic life use. The segment is currently meeting Texas Surface Water Quality Standards (TSWQS).

Cottonwood Creek (Segment 0820A) is an unclassified perennial stream extending from the confluence with Rowlett Creek up to SH 5 (near Greenville Road) in Collin County. Cottonwood Creek is currently meeting TSWQS.

Muddy Creek (Segment 0820C) is an unclassified water body extending from the confluence with Lake Ray Hubbard, in Dallas County, to the headwaters east of Allen, in Collin County. This stream segment was listed on the previous 303(d) list for contract recreation impairments due to elevated bacteria concentrations. The segment was first listed in 2002 and was delisted in 2010 because it met TSWQS. Water quality concerns

are noted by TCEQ for exceedances of the nitrate nitrogen nutrient screening level.

Lake Lavon (Segment 0821) is a 21,400-acre water supply reservoir that is located in Collin County. The reservoir was impounded in 1953 and designated uses include public water supply, contact recreation and high aquatic life use. This segment is currently meeting TSWQS.

Segment 0821C (Wilson Creek) is an unclassified water body that extends from the confluence with Lake Lavon in Collin County up to West FM 455 just east of Celina, in Collin County. Segment 0821C is listed on the 2022 303(d) list for contract recreation use impairment due to elevated bacteria concentrations. Segment 0821C was first listed in 2010 and is classified as Category 5c by TCEQ, meaning that additional data or information will be collected and/or evaluated before a management strategy is selected. A TMDL has not been developed for this segment.

Segment 0821D, East Fork Trinity River above Lake Lavon is an unclassified water body and consists of the portion of the East Fork Trinity River extending from the confluence with Lake Lavon to the upper end of the water body in Collin County, Texas. Segment 0821D is listed on the 2022 303(d) list for contract recreation use impairment due to elevated bacteria concentrations. Segment 0821D was first listed in 2010 and is classified as Category 5c by TCEQ, meaning that additional data or information will be collected and/or evaluated before a management strategy is selected. A TMDL has not been developed for this segment.

Lewisville Lake, Segment 0823, impounds the Elm Form Trinity River at a normal pool elevation of 522 feet in Denton County. Engineered in 1927, the lake was expanded in the 1940s and 1950s and is now one of the largest lakes in north Texas spanning 29,000 acres with 233 miles of shoreline. Designated uses for Lewisville Lake are primary contact recreation, high aquatic life use, and public water supply. Lewisville Lake is currently meeting the TSWQS.

2.4.3 Pollutants of Concern

"Pollutants of Concern" (POC) as defined in the Small MS4 General 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)).

Based on this definition and the review of TCEQ surface water quality data, the following water quality parameters are POC from the Collin County MS4 regulated area:

- Biochemical oxygen demand (BOD),
- Sediment,
- Pathogens,
- Oil and grease, and
- Bacteria

2.4.4 Direct Discharges to a Water Quality Impaired Segment

Although none of the segments that receive permitted discharges from Collin County's MS4 have an approved TMDL, the Small MS4 General Permit has special requirements for direct discharges to impaired segments. According to Part III, Section B.1., any permittees that discharge directly to an impaired water body without an approved TMDL must perform the following activities:

1. The permittee shall determine whether the small MS4 may be a source of the POC by referring to the CWA §303(d) list and then determining if discharges from the MS4 would be likely to contain the POC at levels of concern.
2. If the permittee determines that the small MS4 may discharge the POCs, the permittee shall ensure that the SWMP includes focused BMPs, along with corresponding measurable goals, that the permittee will implement, to reduce, the discharge of POCs that contribute to the impairment of the water body.
3. In addition, the permittee shall submit an NOC to amend the SWMP to include any additional BMPs to address the POCs.

There is only one outfall (Outfall #22) that discharges directly to Wilson Creek which is listed as impaired due to elevated bacteria concentrations.

2.4.5 POC Source Analysis

An analysis of sources of POCs discharged at Outfall #22 was conducted to determine if the discharges would likely contain the POCs at levels of concern. The regulated MS4 area that drains to Outfall #22 is a single parcel of land comprised of a homesite on 11.21 acres. The home was built in 1999, and the land is improved pasture used for grazing a small number of cattle.

The County has determined that the only sources of bacteria and other POCs from this parcel would be from an improperly function septic system and potentially a small number of domesticated farm animals, and wildlife. The County has reviewed the septic records for this particular homesite and has not received any complaints or failed inspection reports.

Therefore, it was determined that the County's MS4 is not a significant source of POCs to Wilson Creek and additional targeted BMPs are not needed at this time.

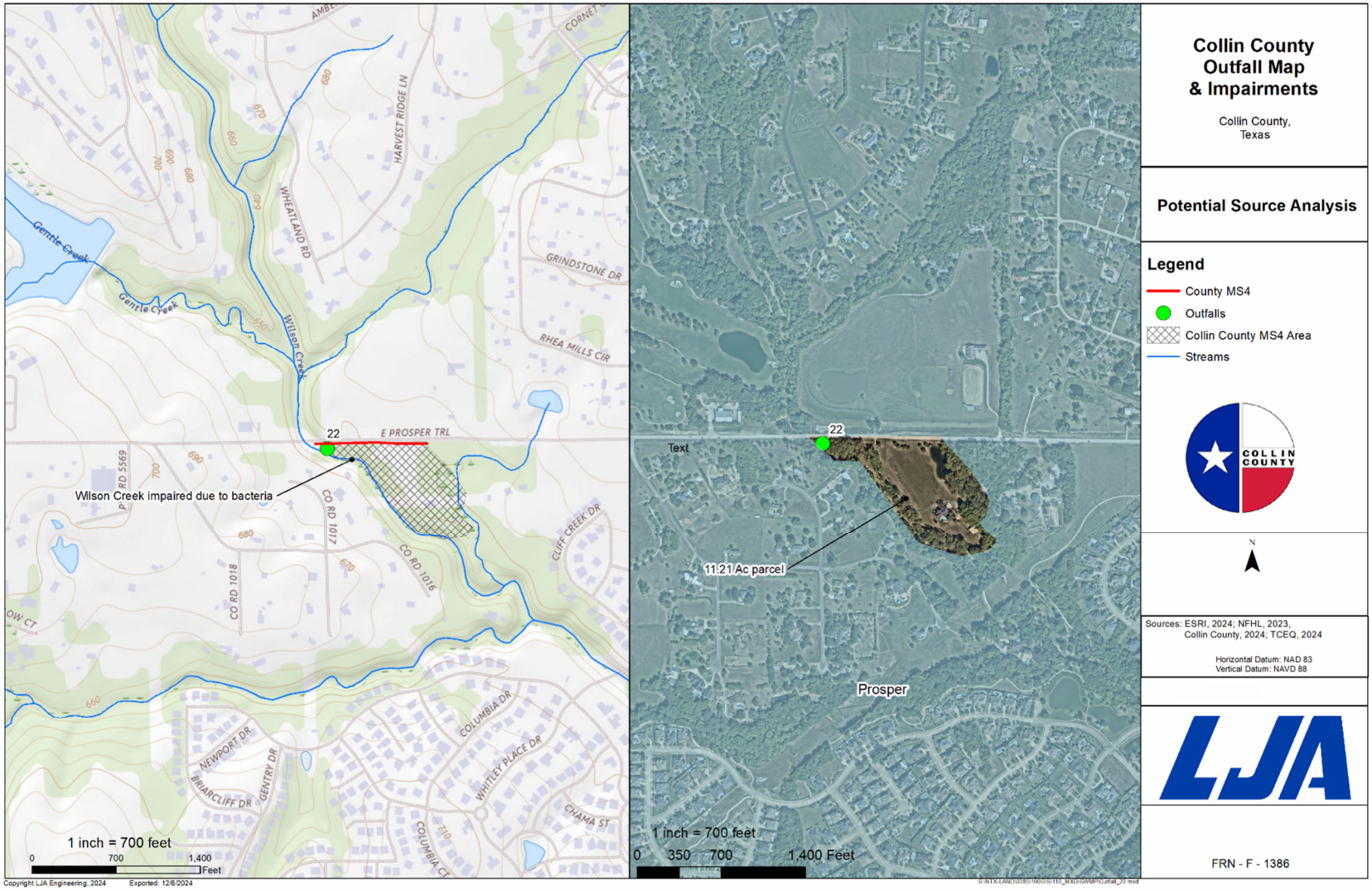


Figure 7. Potential Pollutant Source Analysis for Outfall #22

2.5 Other County Activities Requiring Storm Water Permit Coverage

Spill Prevention, Control and Countermeasures (SPCC) Plans have been prepared for industrial activities at the two Collin County Facilities that have fuel storage tanks, the Public Works Service Center and the Farmersville Facility. The County will maintain their SPCC plans.

The County does not have any facilities that are subject to the TPDES General Permit (General Permit No. TXR050000) for Industrial Storm Water Runoff (i.e., the Multi-Sector General Permit).

Collin County will be required to obtain a construction general permit for any county construction activity, which disturbs one or more acres of land in accordance with conditions of the Construction General Permit (General Permit No. TXR150000) for Construction Storm Water Runoff covering eligible storm water and certain types of non-storm water discharges to surface water in the State.

3.0 ACTIVITIES CONDUCTED IN SUPPORT OF PROGRAM DEVELOPMENT

Many activities were performed to support the SWMP revision for Collin County, as described below:

- Reviewed existing storm water program information provided by the County
- Performed a legal review of the County's storm water related ordinances and County's authority to implement BMPs
- Reviewed the County's existing storm water mapping information
- Reviewed available water quality data in the Collin County area
- Developed BMP implementation schedule and measurable goals
- Prepared SWMP and NOI

Some of the more significant activities are described in detail as follows:

3.1 Storm Water Stakeholders Committee

The original Storm Water Stakeholders Committee for Collin County consisted of citizens representing a broad cross-section of the County's constituency.

The stakeholders assisted the County with selection of appropriate BMPs to include in the original SWMP. Stakeholders were engaged annually throughout the first permit term to provide feedback on annual reporting requirements and offer suggestions for alternative BMPs when chosen BMPs failed to perform as intended.

For this revision of the SWMP, the County convened stakeholders made up of departmental staff who are involved in the implementation of the stormwater BMPs. Given the move by TCEQ to a Comprehensive Permit, most BMPs are now required. Only MCMs 1 and 2 have optional BMPs to choose from. The Departmental Stakeholder meeting was held on September 25, 2024 to provide input on which BMPs were selected for MCMs 1 and 2. For new BMPs that are required by the permit, departmental stakeholders provided input on which department would be responsible for implementation and insight into any challenges for implementation.

3.2 Review of County Authority

The Texas Constitution and State statues do not grant Texas counties the ability to create and enforce ordinances, and counties only have the specific authority granted to them in these statutes. Collin County is only required to develop and implement a SWMP to the extent allowable under State and local law. The General Permit includes this "to the extent allowable under State and local law" language in recognition of the fact that Texas counties do not have the rule/ordinance making authority that cities have. Thus, Collin County typically cannot enforce against violators, but instead, will seek voluntary compliance and then refer continued violations to either TCEQ or an adjacent MS4 with enforcement authority, if appropriate, for further investigation and enforcement.

The County has clear authority to regulate on-site sewage facilities, or septic systems, through TCEQ's On-Site Sewage Facility ("OSSF") program. Because Collin County is an Authorized Agent for TCEQ's OSSF program it has the authority outlined in Texas Health and Safety Code Chapter 366, relating to the regulation of On-Site Sewage Disposal Systems. The County can enforce against violators to the extent allowed under state law, typically in relation to county regulation of subdivisions (See Texas Local Government Code Chapter 232), abatement of public nuisances (See Texas Health and Safety Code Chapter 343), and illegal dumping (See Texas Health and Safety Code Chapter 365). The County will review the public nuisance and illegal dumping statues to ensure that the County implements enforcement under those statutes to the greatest extent possible to implement the SWMP in compliance with the General Permit.

4.0 SUMMARY OF PHASE II STORM WATER REGULATIONS AND PROGRAM REQUIREMENTS

4.1 Regulatory Chronology

The current effort to improve the water quality in the Nation's streams started in 1972 with the passage of the Clean Water Act. The main emphasis of this legislation was to establish a system to control pollution from point sources, with the goal of reducing pollutants so that the water in our lakes and streams is both fishable and swimmable. To achieve this goal, the CWA established the National Pollutant Discharge Elimination System (NPDES). The NPDES requires that anyone discharging a pollutant from a municipal wastewater or industrial point source must obtain an NPDES permit, which specifies effluent limits, monitoring requirements, and enforcement mechanisms.

The CWA also contains regulations to address pollution from diffuse non-point sources. The EPA defines non-point source pollution as "any pollution associated with diffuse land use activities that cumulatively results in water quality degradation." Phase I of the NPDES regulations required municipalities with populations over 100,000 to classify their storm water runoff and develop programs to reduce the pollutants in their runoff.

On December 8, 1999, U.S. EPA promulgated regulations, known as Phase II, requiring permits for storm water discharges from small MS4s and required small MS4s to obtain permit coverage by March 10, 2003. Since Texas has delegation authority to administer the NPDES program in the State, the Texas Commission of Environmental Quality (TCEQ) developed and released their draft Texas Pollutant Discharge Elimination System (TPDES) Small MS4 General Permit on September 1, 2002 to meet the March 10th deadline.

A series of lawsuits followed the permit release, which ultimately ended up in the 9th Circuit Court. A suit brought by business groups, developers and a coalition of Texas cities and counties challenged the constitutionality of the Phase II regulations. On January 14, 2003, the U.S. 9th Circuit Court issued its decision in Environmental Defense Center et al. vs. EPA. The ruling upheld the Phase II regulations on all but 3 of the 20 issues that were contested. On September 15, 2003, the U.S. 9th Circuit Court of Appeals issued a revised panel decision, which denied all petitions for rehearing and remanded portions of the rule affecting small MS4s to the EPA. The Court found that portions of the federal regulations were not consistent with the Clean Water Act, because the Phase II rules did not address permitting authority review and public participation and notification. The three issues that were remanded back to EPA required that the NOI and SWMP be made available to the public and undergo meaningful review by the State to determine if the MEP standard is met, and there must be a process to accommodate public hearings.

An EPA guidance memo, dated April 16, 2004, was issued to permitting authorities and the TCEQ revised and released their second draft TPDES Small MS4 General Permit on August 8, 2005. After a second public comment period, the TCEQ revised and released the final TPDES Small MS4 General Permit on August 13, 2007.

Revisions to the Small MS4 General Permit, TPDES Permit No. TXR040000, were issued

roughly every 5 years on December 13, 2013, January 24, 2019, and August 15, 2024. The permit terms are listed below. The Texas Small MS4 General Permit is currently in the 4th permit term.

1st Permit Term	August 13, 2007 – December 12, 2013
2nd Permit Term	December 13, 2013 – January 23, 2019
3rd Permit Term	January 24, 2019 – August 14, 2024
4th Permit Term	August 15, 2024 – August 14, 2029

All regulated entities (new and existing) have 180 days to apply for coverage or a waiver under the revised general permit. The deadline to apply is February 11, 2025. Each regulated entity must prepare a new or revised Storm Water Management Program (SWMP) by February 11, 2025 and submit a Notice of Intent (NOI) through Net-MS4.

4.2 Summary of TPDES Permit TXR040000 Requirements

The Texas Commission of Environmental Quality (TCEQ) adopted the TPDES Small MS4 General Permit to authorize discharges of storm water from small MS4s located in the state of Texas to Water of the United States. This Small MS4 General Permit is briefly summarized below and a complete copy is located in **Appendix D - TPDES Small MS4 General Permit for Storm Water Discharges from Small MS4s**.

4.2.1 Permit Applicability and Coverage

This section of the Small MS4 General Permit states that an MS4 that is fully or partially within urbanized areas, as determined by the 2000, 2010 or 2020 Decennial Census by the U.S. Bureau of Census is eligible for this permit and must obtain authorization for the discharge of storm water runoff. Small MS4s seeking to obtain coverage pursuant to TPDES Small MS4 General Permit (TXR040000) are required to submit a completed Notice of Intent (NOI) through NetMS4.

Operators of small MS4s that were previously covered under the TPDES general permit must reapply for permit coverage by submitting an NOI within one hundred and eighty (180) days following the effective date of the Small MS4 General Permit.

The most recently revised TPDES Small MS4 General Permit became effective on August 15, 2024 and the deadline for submission of the NOI February 11, 2025. The Small MS4 General Permit requires that an application fee of $400.00 be submitted with the NOI.

4.2.2 Allowable Non-Storm Water Discharges

The Small MS4 General Permit provides that certain non-storm water sources may be discharged from the Small MS4 and are not required to be addressed in the Small MS4 operator's Illicit Discharge minimum control measure, provided that these sources have *not* been determined by the operator or the TCEQ to be

significant contributors of pollutants. These allowable non-storm water discharges are listed below:

- Water line flushing (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life);
- Runoff or return flow from landscape irrigation, lawn irrigation, and other irrigation utilizing potable water, groundwater, or surface water sources;
- Discharges from potable water sources that do not violate the Texas Surface Water Quality Standards (TSWQS);
- Diverted stream flows;
- Rising ground waters and springs;
- Uncontaminated ground water infiltration;
- Uncontaminated pumped ground water;
- Foundation and footing drains;
- Air conditioning condensation;
- Water from crawl space pumps;
- Individual residential vehicle washing;
- Flows from wetlands and riparian habitats;
- Dechlorinated swimming pool discharges that do not violate TSWQS;
- Street wash water (excluding street sweeper wastewater);
- 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);
- Other allowable non-storm water discharges listed in 40 CFR § 122.26 (d)(2)(iv)(B)(1);
- Non-storm water discharges specifically listed in the TPDES Multi-Sector General Permit (MSGP) or the TPDES Construction General Permit (CGP);
- Discharges that are authorized by a TPDES or NPDES permit or that are not required to be permitted; and
- Other similar occasional incidental non-storm water discharges such as spray park water, unless the TCEQ develops permits or regulations addressing these discharges.

Collin County does not consider any of these non-storm water sources to be a significant contributor of pollutants to their MS4 and will therefore adopt the TCEQ's list of allowable non-storm water discharges with no further modifications.

4.2.3 Storm Water Management Program Requirements

This section of the Small MS4 General Permit states that the SWMP must be developed for discharges of storm water from the regulated small MS4 that reach "Waters of the United States." The Small MS4 General Permit also states that the

SWMP must be "developed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act and the Texas Water Code".

The "maximum extent practicable" ("MEP") standard is common in EPA's storm water regulations and permits, but it is not defined, so it is a very subjective standard for the operator of the Small MS4 to meet. EPA has stated: "Compliance with the conditions of the general permit and the series of steps associated with identification and implementation of the minimum control measures will satisfy the MEP standard." 64 Fed. Reg. at 68,754. As stated in the Small MS4 General Permit, a permittee that implements activities/BMPs consistent with the provisions of the general permit fulfills the requirements to reduce pollutants to the MEP and will be deemed in compliance with Part IV of the permit.

4.2.4 Minimum Control Measures

The TPDES Small MS4 General Permit (TXR040000) identified eight minimum control measures (MCMs), which are as follows:

1. Public Education and Outreach,
2. Public Involvement/Participation,
3. Illicit Discharge Detection and Elimination (IDDE),
4. Construction Site Storm Water Runoff Control,
5. Post-Construction Storm Water Management in New Development and Redevelopment,
6. Pollution Prevention and Good Housekeeping for Municipal Operations,
7. Industrial Stormwater Sources (only for Level 4 MS4s), and
8. Authorization for Construction Activities where the Small MS4 is the Site Operator (Optional).

The first six MCMs are required components of the SWMP. The seventh MCM is only applicable to Level 4 MS4s. The eighth MCM is optional and is an alternative to the MS4 operator seeking separate coverage under the TPDES Construction General Permit (TXR150000).

As part of the general requirements for the SWMP, existing permittees must assess program elements in their previous TCEQ approved SWMP and modify it to comply with the new requirements of the general permit. Permittees must provide justification of any activities that were not implemented because they are not applicable to MS4 operator. This information is provided in detail in section **5.0 Collin County's Program for the Required Minimum Control Measures**.

4.2.5 Record Keeping and Reporting

The Small MS4 General Permit requires the operator of the Small MS4 to retain all records, a copy of the Small MS4 General Permit, and records of all data to complete the NOI, for a period of at least three years or for the remainder of the term of the Small MS4 General Permit, whichever is longer. Because the permit term is five years, it appears that the minimum period of time to maintain such information will be five years.

The Small MS4 General Permit also contains provisions regarding how records related to the SWMP are to be made available to the public. The Small MS4 General Permit requires the operator of the Small MS4 to make the records, including the NOI and the SWMP, available to the public if requested to do so in writing. The Small MS4 General Permit states:

> The permittee shall make the NOI and the SWMP available to the public at reasonable times during regular business hours, if requested to do so in writing. Copies of the SWMP must be made available within ten (10) working days of receipt of a written request. Other records must be provided in accordance with the Texas Public Information Act.

An annual report must be submitted by Collin County to TCEQ by March 31st of each year for the previous calendar year. The annual report must be prepared and submitted regardless of whether the County's NOI has been approved by TCEQ. The permit term began when the TPDES Small MS4 General Permit was reissued (August 15, 2024).

Based on guidance provided by TCEQ, Year 1 of the 2024 Permit Cycle begins when the permittee's NOI is approved by TCEQ. Permittees must continue to implement BMPs contained in their 2019 SWMP until NOI approval under the 2024 permit. Activities for calendar year 2024 are essentially Year 6 of the 2019 permit. The TCEQ has indicated that the annual report for calendar year 2024, due March 31, 2025, would need to be submitted as a hardcopy (paper) report. Annual reports for calendar year 2025 and beyond will be required to be submitted electronically through NetMS4. TCEQ has not released any guidance on reporting requirements for the time period from 1/1/2025 through the date of NOI approval.

The reporting years and deadlines for annual reports are specified in ***Table 2***.

Table 2. Annual Reporting Schedule

Year	Permit/BMPs	Reporting Cycle	Annual Report Due Date	Submittal Type
6	2019 Permit	01/01/2024 - 12/31/2024	03/31/2025	Paper
7	2019 Permit	01/01/2025 - NOI approval		
1	2024 Permit	NOI approval - 12/31/2025	03/31/2026	Electronic
2	2024 Permit	01/01/2026 – 12/31/2026	03/31/2027	Electronic
3	2024 Permit	01/01/2027 – 12/31/2027	03/31/2028	Electronic
4	2024 Permit	01/01/2028 – 12/13/2028	03/31/2029	Electronic

A copy of the annual report must be readily available for review by authorized TCEQ personnel upon request. The report must contain a number of elements including:

- Status of compliance with permit conditions, 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 the information (including monitoring data) collected and analyzed during the reporting period;
- If applicable, a summary of any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4s BMPs used to address the pollutant of concern;
- A summary of stormwater activities planned for the next reporting year;
- Proposed changes to the SWMP;
- Description and schedule for implementation of additional BMP's that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementations plans;
- Notice that the MS4 operator is relying on another government entity to satisfy some of its permit obligations (if applicable);
- Number of construction activities authorized under the 8th optional MCM and 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 8th MCM.

4.2.6 Standard Permit Conditions

The Small MS4 General Permit identifies ten standard permit conditions, which are summarized below:

- The permittee has a duty to comply with all permit conditions and failure to so is a violation of the permit.
- The fact that compliance with the permit conditions may require the permitted activity to be halted or reduced is not a defense for a discharger in an enforcement action.
- The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- The executive director may revoke or suspend the authorization under this general permit for cause.
- The permittee shall at all times properly operate and maintain all facilities and system of treatment and control (and related appurtenances) which are installed or used to achieve compliance with the conditions of this permit and with the condition of the permittee's SWMP.
- The TCEQ shall be allowed inspection and entry to any part of a facility or site as provided in Texas Water Code Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 CFR §122.41(i).
- The discharger is subject to administrative, civil, and criminal penalties under Texas Water Code Chapters 26, 27, and 28, and the Texas Health and Safety Code, Chapter 361 for certain violations.
- Signatory and authorized persons requirements set forth in 30 TAC § 305.128 must be followed for all reports and other information requested by the executive director.
- Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.
- Nothing in Part II of the general permit is intended to negate any person's ability to assert the force majeure (act of God, war, strike, riot, or other catastrophe) defenses found in 30 TAC § 70.7.
- The permit does not transfer liability for the act of discharging without, or in violation of, a NPDES or a TPDES permit from the operator of the discharge to the permittee(s).

5.0 COLLIN COUNTY'S PROGRAM FOR THE REQUIRED MINIMUM CONTROL MEASURES

5.1 MCM #1 - Public Education and 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.

As specified in the Small MS4 General Permit, all permittees shall implement a public education and outreach program to distribute educational materials to the community and conduct equivalent outreach about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. The Small MS4 General Permit requires that Collin County implement a minimum of four BMPs under this MCM. The selected BMPs are:

PE-1 Stormwater Website

PE-2 Social Media Posts

PE-3 Stormwater Brochures

PE-4 Educational Meetings

Target Audiences

The public education and outreach program shall at a minimum include the residents being served as a target audience. The target audiences selected for this permit term are:

- Residents, and
- Construction Site Operators.

Target Pollutants

The public education and outreach program must be targeted to specific pollutants as applicable to the target audience. A minimum of one target pollutant must be specified for each target audience, as appropriate. Small MS4s may implement more than one target pollutant where desired or appropriate to address pollutants in stormwater discharges to the MEP. The target pollutant(s) may change annually as needed but must be documented in the SWMP and explained in the annual report. Initially, the County has chosen to target the following pollutants:

- Pet Waste, and
- Sediment from Construction Activities.

	STORMWATER WEBSITE	**PE - 1**

Responsible Department(s)

Primary: Engineering

Secondary: Public Information Office

Target Audience(s):

Residents

Construction Site Operators

Target Pollutant(s):

Pet Waste

Construction Sediment

Existing BMP ☒

New BMP/Element ☐

DESCRIPTION

The County maintains a stormwater website and utilizes it to distribute educational material (Engineering Storm Water Program). The County posts copies of the SWMP and annual reports on the website.

The website contains current and accurate information with working links to information on other websites such as TCEQ, EPA and NCTCOG as well as other educational sources. All links will be checked annually during annual report preparation and updated as necessary.

Implementation Activities

Calendar Year	Activity/BMP	Measurable Goals
2025	Update website content Post Information on the stormwater website	Check all links and update Maintain for full year
2026	Post Information on the stormwater website	Check all links and update Maintain for full year
2027	Post Information on the stormwater website	Check all links and update Maintain for full year
2028	Post Information on the stormwater website	Check all links and update Maintain for full year

Social Media Posts

PE - 2

Responsible Department(s)

Primary: Public Information Office

Secondary: Engineering

Target Audience(s):

Residents

Construction Site Operators

Target Pollutant(s):

Pet Waste

Construction Sediment

Existing BMP ☐

New BMP/Element ☒

Description

Collin County currently maintains a Facebook page that is visible to all residents of the County. The County will begin to use this social media platform to disseminate information on storm water topics.

The messages will address ways that County residents can minimize or avoid adverse stormwater impacts or practices to improve the quality of stormwater runoff. The messages will be seasonally appropriate.

The County will make a minimum of one post per quarter and all quarterly posts will be visible on the platform for the full year, each year. The Engineering Department will choose relevant posts from the NCTCOG Social Media Toolkit.

Implementation Activities

Calendar Year	Activity/BMP	Measurable Goals
2025	Obtain social media toolkit from NCTCOG Choose relevant messages/posts Make quarterly posts to Facebook Page	Post 4/year Maintain posts full year
2026	Make quarterly posts to Facebook Page	Post 4/year Maintain posts full year
2027	Make quarterly posts to Facebook Page	Post 4/year Maintain posts full year
2028	Make quarterly posts to Facebook Page	Post 4/year Maintain posts full year

STORMWATER BROCHURES

PE - 3

Responsible Department(s)

Primary: Engineering

Secondary: Animal Services, Development Services

Target Audience(s):

Residents

Construction Site Operators

Target Pollutant(s):

Pet Waste

Construction Sediment

Existing BMP ☒

New BMP/Element ☐

DESCRIPTION

Collin County currently distributes several brochures to area residents educating them on stormwater topics. The brochures are distributed to at least 75% of the intended audience each year.

The pet waste brochure is distributed to 100% of residents that adopt an animal from the County's animal shelter located at 4750 Community Avenue in McKinney. The target audience is anyone that adopts an animal from the shelter.

A brochure on construction site pollution control is distributed to 100% of applicants that submit a development permit through the Citizen Self-Service (CSS) portal. The target audience is anyone seeking to obtain a development permit through the County.

The Engineering Department updates the brochures as necessary to keep them accurate and up to date. The brochures are distributed and tracked by either Animal Services or Development Services Departments. The County tracks the number of animals adopted and brochures distributed each year. CSS tracks the number of development permits submitted/granted each year.

Implementation Activities

Calendar Year	Activity/BMP	Measurable Goals
2025	Distribute brochures to 100 % of intended audience Maintain tracking system	Report number of brochures distributed
2026	Distribute brochures to 100 % of intended audience Maintain tracking system	Report number of brochures distributed
2027	Distribute brochures to 100 % of intended audience Maintain tracking system	Report number of brochures distributed
2028	Distribute brochures to 100 % of intended audience Maintain tracking system	Report number of brochures distributed

	EDUCATIONAL MEETINGS	**PE - 4**

Responsible Department(s)

Primary: Engineering

Secondary: None

Target Audience(s):

Residents

Construction Site Operators

Target Pollutant(s):

Pet Waste

Construction Sediment

Existing BMP ☒

New BMP/Element ☐

DESCRIPTION

Collin County currently participates in regional stormwater initiatives spearheaded by the North Central Texas Council of Governments (NCTCOG).

North Central Texas Council of Governments
Environment & Development

Regional Stormwater Management Coordinating Council

Kevin Hurley (Chair)
Senior Program Manager
City of Dallas

Perry Harts (Vice-Chair)
Stormwater Manager
City of Frisco

Krista Pender (Past Chair)
Environmental Quality Manager
City of Carrollton

PHASE 1
Echo Rexroad
Environmental Quality Manager
City of Plano

Brigette Gibson
Stormwater Quality Manager
City of Arlington

Jeff Shiflet
Stormwater Compliance Coordinator
City of Irving

Kevin Hurley
Senior Program Manager
City of Dallas

Mitchell Talley
Stormwater Specialist / Engineering
City of Mesquite

Heather Berryman – Alternate
Interim Water Quality Supervisor
City of Fort Worth

Mike Wilson
Storm Water Utility Manager
City of Garland

EAST FORK WATERSHED
Tracy Homfeld
Assistant Director of Engineering
Collin County

Danea Newman
Environmental Health Supervisor
City of Richardson

William Nahas
Environmental Program Manager
City of Allen

ELM FORK WATERSHED
Perry Harts
Stormwater Manager
City of Frisco

Jason Longbine
Storm Water Specialist
City of Lewisville

According to Part IV.D.1.(a)(3)(c) of the permit, the County may provide support to coordinating groups for public education and outreach BMPs. To be considered support, the small MS4 operator shall at minimum conduct at least one of the following or similar:

(i) Plan, or assist with planning, the distribution of materials;
(ii) Coordinate volunteers;
(iii) Contribute supplies, materials, tools, or equipment;
(iv) Provide assistance from MS4 staff to distribute the materials; or
(v) Provide financial support.

By participating in the Regional Stormwater Management Coordinating Council, the County satisfies (i) and (v) above. The County assists with the planning of public education materials by attending council meetings and provides financial support for the program through payment of the County's cost-share.

Implementation Activities

Calendar Year	Activity/BMP	Measurable Goals
2025	Attend NCTCOG Council meetings and assist in planning Contribute annual cost-share	Maintain membership and attend at least 1 planning meeting
2026	Attend NCTCOG Council meetings and assist in planning Contribute annual cost-share	Maintain membership and attend at least 1 planning meeting
2027	Attend NCTCOG Council meetings and assist in planning Contribute annual cost-share	Maintain membership and attend at least 1 planning meeting
2028	Attend NCTCOG Council meetings and assist in planning Contribute annual cost-share	Maintain membership and attend at least 1 planning meeting

5.2 MCM #2 - Public Involvement/Participation

As specified in the Small MS4 General Permit, the County 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 County must create opportunities, or support activities that are coordinated by citizen groups, for residents and others to become involved with the SWMP. The activities/BMPs must demonstrate an impact on stormwater runoff by improving water quality. The County must implement a minimum of three BMPs and has chosen the following BMPs under this MCM. The selected BMPs are:

PI-1 Trash Clean Up Events

PI-2 Educational Display

PI-3 Advisory Board Meetings

	TRASH CLEAN UP EVENTS	**PI - 1**
Responsible Department(s) Primary: Public Works Secondary: None Existing BMP ☐ New BMP/Element ☒	**DESCRIPTION** Collin County organizes community service volunteers for trash clean-up along roadways. The Public Works Department selects clean-up locations, instructs the volunteers, and monitors progress each day. Trash clean-up occurs weekdays throughout the year. The County will track the miles of roadway cleaned each day and report the cumulative distance in miles each month. The County provides support for this BMP by: • Contributing supplies, materials, tools, or equipment; • Providing assistance from MS4 staff during the activity; and • Suppling disposal services.	

Implementation Activities

Calendar Year	Activity/BMP	Measurable Goals
2025	Organize and provide support for volunteer trash clean-up along roadways Track miles of roadway cleaned and summarize monthly	Clean a minimum of 2 miles of roadside each month
2026	Organize and provide support for volunteer trash clean-up along roadways Track miles of roadway cleaned and summarize monthly	Clean a minimum of 2 miles of roadside each month
2027	Organize and provide support for volunteer trash clean-up along roadways Track miles of roadway cleaned and summarize monthly	Clean a minimum of 2 miles of roadside each month
2028	Organize and provide support for volunteer trash clean-up along roadways Track miles of roadway cleaned and summarize monthly	Clean a minimum of 2 miles of roadside each month

	EDUCATIONAL DISPLAY	**PI - 2**

Responsible Department(s)

Primary: Engineering

Secondary: None

Existing BMP ☒

New BMP/Element ☐

DESCRIPTION

Texas AgriLIFE Extension of Collin County is a local partnership between Collin County Commissioners' Court, the Texas A&M University System and the United States Department of Agriculture. The County AgriLIFE Extension supports the Master Gardeners Program which conducts an annual Garden Show with educational displays and booths.

The Garden Show is held at a Collin County facility (Meyers Park & Event Center) and the booths are staffed by Master Gardener volunteers throughout the 2-day event. The event is open to the public and draws hundreds of County residents each year. The Engineering Department provides a display rack with topical brochures that provide information to improve the public's understanding of issues related to water quality. The County provides support for this BMP by:

- Contributing supplies and materials (display rack and brochures)

Implementation Activities

Calendar Year	Activity/BMP	Measurable Goals
2025	Provide educational display at the Garden Show with topical brochures	Support one display
2026	Provide educational display at the Garden Show with topical brochures	Support one display
2027	Provide educational display at the Garden Show with topical brochures	Support one display
2028	Provide educational display at the Garden Show with topical brochures	Support one display

ADVISORY BOARD MEETINGS — PI - 3

Responsible Department(s)

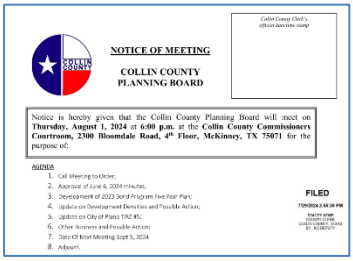
Primary: Engineering

Secondary: None

Existing BMP ☐

New BMP/Element ☒

DESCRIPTION



NOTICE OF MEETING

COLLIN COUNTY PLANNING BOARD

Notice is hereby given that the Collin County Planning Board will meet on **Thursday, August 1, 2024** at **6:00 p.m.** at the **Collin County Commissioners Courtroom, 2300 Bloomdale Road, 4th Floor, McKinney, TX 75071** for the purpose of:

AGENDA

1. Call Meeting to Order;
2. Approval of June 6, 2024 minutes;
3. Development of 2023 Bond Program Five Year Plan;
4. Update on Development Densities and Possible Action;
5. Update on City of Plano TIRZ #2;
6. Other business and Possible Action;
7. Date Of Next Meeting Sept 5, 2024
8. Adjourn.

FILED

The Planning Board meets monthly to advise and make recommendations to Commissioners Court on planning issues and efforts relative to future county quality and growth.

The Planning Board meets the first Thursday each month, at 6 p.m., in the Commissioners Courtroom, 4th Floor, 2300 Bloomdale Rd., McKinney, TX 75071.

The Engineering Department will provide an annual update to the Board regarding the stormwater program and seek input on the program implementation. The intended audience is members of the advisory board. The meeting announcement and agenda item will be advertised to 100% of the advisory board members.

The County tracks attendance at each meeting and provides meeting minutes which will be used to determine what percentage of the intended audience is reached for determining BMP effectiveness. The County provides support for this BMP by:

- Planning the meetings;
- Providing assistance from MS4 staff during the meetings;
- Making a space available for meetings; and
- Advertising the meetings on the County's website.

Implementation Activities

Calendar Year	Activity/BMP	Measurable Goals
2025	Give update on stormwater program implementation and seek input Advertise meeting to 100% of advisory board members	1 presentation at a board meeting
2026	Give update on stormwater program implementation and seek input Advertise meeting to 100% of advisory board members	1 presentation at a board meeting
2027	Give update on stormwater program implementation and seek input Advertise meeting to 100% of advisory board members	1 presentation at a board meeting
2028	Give update on stormwater program implementation and seek input Advertise meeting to 100% of advisory board members	1 presentation at a board meeting

5.3 MCM #3 - Illicit Discharge Detection and Elimination (IDDE)

As specified in the Small MS4 General Permit, all permittees shall develop, implement and enforce a program to investigate, detect, and eliminate illicit discharges into the small MS4. The program must include a plan to detect and address non-stormwater discharges, including illegal dumping to the MS4 system.

Collin County's IDDE program must include the following elements:

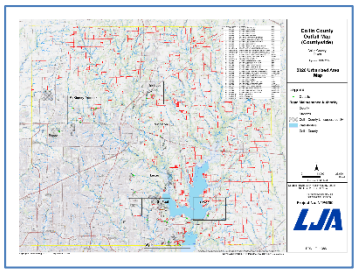
1. A current and accurate MS4 map;
2. Methods for informing and training MS4 field staff;
3. Methods for facilitating public reporting of illicit discharges and illegal dumping;
4. Procedures for responding to illicit discharge, illegal dumping, and spills;
5. Procedures for tracing the source of an illicit discharge and illegal dumping;
6. Procedures for removing the source of the illicit discharge and illegal dumping;
7. Conduct inspections in response to complaints including follow-up inspections, and procedures for inspections; and
8. Procedures to prevent and correct any leaking on-site sewage disposal systems that discharge into the small MS4.

As discussed in **Section 3.2 Review of County Authority**, the County lacks the authority to enact ordinances that prohibit illicit discharges and illegal connections. As stated in the Small MS4 General Permit, non-traditional small MS4s such as counties that lack the authority to develop ordinances, shall exert enforcement authority for its facilities, employees, contractors, and any other entity over which it has operational control within the portion of the regulated area under the jurisdiction of the County. The County will use visual methods to detect and trace sources of illicit discharge and will notify the adjacent MS4 of potential illicit discharges within 48 hours of discovery. Where the adjacent MS4 does not have enforcement authority, the County will notify the TCEQ field office for enforcement.

The County does have enforcement authority over OSSFs and illegal dumping through the Texas Health and Safety Code and will enforce those programs within the County's regulated area.

The list of BMPs below includes activities that meet regulatory requirements and will aid Collin County in the elimination of illicit discharges.

- ID-1 MS4 Map
- ID-2 Field Staff Illicit Discharge Training
- ID-3 Public Reporting Hotline
- ID-4 Response Procedures
- ID-5 Source Identification and Elimination
- ID-6 Prevent and Correct Leaking OSSFs

	MS4 MAP	ID - 1
Responsible Department(s) Primary: GIS Secondary: Engineering	**DESCRIPTION** Collin County will maintain a current and accurate MS4 map, which will be located on-site at the Engineering Department offices and will be available for review by TCEQ. The MS4 map will show: 1) The location of all small MS4 outfalls that are operated by the permittee and that discharge into Waters of the U.S.; and 2) The location and name of all surface waters receiving discharges from the small MS4 outfalls. The GIS department will generate an updated map annually showing any changes to the unincorporated regulated area. Changes may include the removal of regulated areas due to annexation by municipalities. Within the regulated areas, any county-maintained roadways that intersect with a watercourse will be flagged as having potential outfalls. Potential outfalls will be reviewed by Engineering staff to confirm locations. The final updated MS4 map will bear the date of the most recent update.	
Existing BMP ☒ New BMP/Element ☐		
Permit Reference: Part IV.D.3.(c)(1)		

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Maintain a current and accurate MS4 map updated based on 2020 Census, incorporated areas, and road maintenance authority	Updated GIS map
2026 - 2028	Maintain a current and accurate MS4 map updated for annexations and road maintenance authority	Review and update GIS map

FIELD STAFF ILLICIT DISCHARGE TRAINING — ID - 2

Responsible Department(s)

Primary: Engineering

Secondary: Public Works

Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.3.(c)(2)

TCEQ Worksheet:

ID-2 Worksheet

RG-646 • Stormwater Management Plan Template

IDDE Education and Training: Worksheet

Employee Training Date: _____

Training Topics	Covered?
MS4 Permit Requirements	☐ Yes ☐ No
Emergency Response Contact Information	☐ Yes ☐ No

How was training provided?

☐ Live Presentation ☐ Recorded Videos ☐ Reading Material

☐ Other _____

Training Attendance Log

Name	Title	Signature

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DESCRIPTION

Collin County will continue to train all field staff that may come into contact with or observe an illicit discharge, illegal dumping, or illicit connection to the small MS4 as part of their normal job responsibilities.

During the first year of the new permit, the County will identify personnel positions and departments that may observe an illicit discharges, illegal dumping, or illicit connections as part of their normal job responsibilities. These field staff will be required to receive annual training.

Training will be self-paced training materials provided by the Engineering Department to 100% of the identified field staff for review.

Training program materials and attendance lists will be maintained onsite and made available for review by the TCEQ.

ID-2 Worksheet is located in **Appendix B** and may be used to document annual training.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Identify personnel positions and departments for training Update training materials Conduct training of 100% of MS4 field staff Maintain sign-in sheets	List of Field Staff Updated presentation 1 training TCEQ Worksheet
2026 - 2028	Conduct training of 100% of MS4 field staff Maintain training materials and sign-in sheets	1 training TCEQ Worksheet

PUBLIC REPORTING HOTLINE

ID - 3

Responsible Department(s)

Primary: Engineering,

Secondary: IT, Public Information Office

Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.3.(c)(3)

TCEQ Worksheet:

ID-3 Worksheet

RG-646 ♦ Stormwater Management Plan Template

Public Reporting of Illicit Discharges and Spills: Worksheet

Year: _____

Dates Available: _____

Identify your MS4's Public Reporting Method(s):

- ☒ Hotline _____
- ☐ Webpage _____
- ☐ Posted Sign(s) _____
- ☐ Pamphlets _____
- ☐ Other _____

What method(s) did you use to publicize your reporting mechanisms?

_____

What dates did you publicize your reporting mechanisms?

_____

What kind of tracking system will your MS4 use to estimate BMP effectiveness?

_____

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DESCRIPTION

To Report Illegal Dumping, Call (972) 547-5350 (24-HOUR HOTLINE)

Call Public Works' general office number at (972) 548-3700 to reach:

Solid Waste Officer: Mark Hines

Illegal Dumping Enforcement: Deputy Bryan Hardin

Collin County will maintain and publicize its public reporting hotlines for the public to report illicit discharges, illegal dumping, or water quality impacts associated with discharges into or from the small MS4. The County maintains two public reporting mechanisms, one for illicit discharges and one for illegal dumping. There are two different hotline numbers because two different departments respond to complaints depending on the nature of the discharge

Report-A-Polluter

Spilling, dumping, or discharging chemicals, dirt, debris, oil or other non-stormwater substances into ditches, creeks, streams, curb drains, storm drains, or the river is a violation of federal, state, and local regulations. Allowing sediment or chemicals to wash off a construction site is also a violation. If you have witnessed an act that you feel is a violation of clean water regulations, anywhere within the county, please report the activity to the Collin County Engineering Department at (972) 548-3733 or send an email to stormwater@collincountytx.gov.

If calling after regular Collin County business hours (M-F, 8 a.m. to 5 p.m.) and the problem requires immediate attention, please call the North Central Texas Region Illegal Dumping 24-hour hotline at 1-888-335-DUMP or call 911.

ID-2 Worksheet located in Appendix B or similar tracking mechanism will be used to document progress.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Maintain public reporting hotline Develop social media posts to publicize Develop tracking system to determine Facebook views Publicize on website	100 % of the time Social media message Tracking method 100 % of the time
2026 - 2028	Maintain public reporting hotline Publicize on Social Media Publicize on website Track % of intended audience reached	100 % of the time 2 / year 100 % of the time % for annual reporting

	RESPONSE PROCEDURES	ID - 4

Responsible Department(s)

Primary: Engineering, Sheriff, Fire Marshal

Secondary:

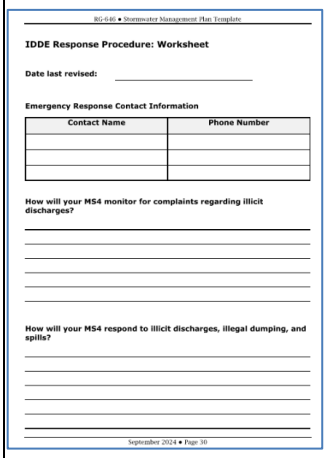
Existing BMP ☐

New BMP/Element ☒

Permit Reference:

Part IV.D.3.(c)(4)

TCEQ Worksheet:



RG-646 • Stormwater Management Plan Template

IDDE Response Procedure: Worksheet

Date last revised: _____

Emergency Response Contact Information

Contact Name	Phone Number

How will your MS4 monitor for complaints regarding illicit discharges?

How will your MS4 respond to illicit discharges, illegal dumping, and spills?

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DESCRIPTION

Collin County will develop and maintain onsite procedures for responding to illicit discharges, illegal dumping, and spills. Responses to these events in unincorporated Collin County are delegated to three different County Departments:

- Illicit discharges – Engineering Department
- Illegal Dumping – Sheriff's Office
- Hazardous Materials Spills – Fire Marshal's Office

Initially, each department will complete the TCEQ Worksheet. In later years in the permit cycle, a consolidated Standard Operating Procedures (SOP) document may be developed that covers all three types of responses.

Illicit Discharges: The Engineering Staff will visually track illicit discharges to the MS4 and attempt to identify the source. If illicit discharges are observed from another operator's MS4, the County will notify that MS4 within 48 hours of discovery. If notification of the MS4 is not practicable, the County will notify the TCEQ regional office.

The County will prioritize the illicit discharges incidents into low, medium and high priority based on relative risk of pollution. High priority discharges such as sanitary sewer discharges or hazardous material spills will be reported to TCEQ or other appropriate agency within 24 hours. Discharges with observable signs of pollution such as turbidity, color or odor will be deemed medium priority and investigated within 48 hours. Low priority discharges with no obvious signs of contamination will be investigated as soon as practicable.

Illegal Dumping: Source investigations for illegal dumping are conducted by the Sheriff's office and involve inspection of contents for names or addresses of violators.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Develop written procedures (ID-4 Worksheet) for responding to illicit discharges, illegal dumping, and spills	1 procedures document
2026 - 2028	Review and update procedures (ID-4 Worksheet) to address changes and make improvements	1/year

SOURCE INVESTIGATION AND ELIMINATION — ID - 5

Responsible Department(s)

Primary: Engineering

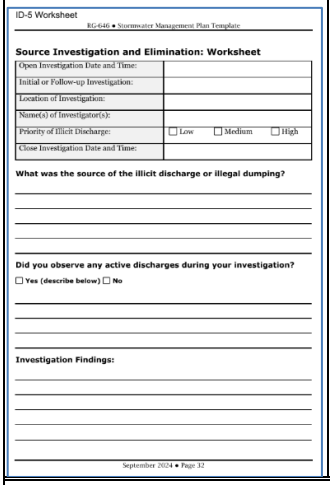
Secondary: Sheriff

Existing BMP ☒

New BMP/Element ☐

Permit Reference:
Part IV.D.3.(c)(5)
Part IV.D.3.(c)(6)

TCEQ Worksheet:



ID-5 Worksheet

EG-646 • Stormwater Management Plan Template

Source Investigation and Elimination: Worksheet

Open Investigation Date and Time:	
Initial or Follow-up Investigation:	
Location of Investigation:	
Name(s) of Investigator(s):	
Priority of Illicit Discharge:	☐ Low ☐ Medium ☐ High
Close Investigation Date and Time:	

What was the source of the illicit discharge or illegal dumping?

Did you observe any active discharges during your investigation?

☐ **Yes (describe below)** ☐ **No**

Investigation Findings:

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DESCRIPTION

Upon becoming aware of an illicit discharge or illegal dumping, either through direct observation or complaint received from the public, County staff will conduct an investigation through site inspection to identify and locate the source of such illicit discharge or illegal dumping.

Collin County will respond to 100% of known (reported by the public or observed) illicit discharges and illegal dumping incidents each year to investigate sources. ID-5 Worksheet (Appendix B) or other tracking mechanism may be used to document dates and results of investigation.

Elimination of Sources:

Illicit Discharges: Collin County does not have the regulatory authority to enforce actions involving illicit discharges. Where the source of an illicit discharge to the regulated MS4 can be determined through visual methods, the Engineering Department will notify the responsible party with 24 hours and seek voluntary compliance and/or report discharger to TCEQ for enforcement.

Illegal Dumping: Collin County has the regulatory authority to enforce actions involving illegal dumping. The regulatory mechanism, however, does not allow for corrective actions by the dumper but the County can impose fines and other criminal penalties on violators as a deterrent for future violations. Corrective actions in this case involve pursuing legal action. The County Sheriff's office tracks illegal dumping cases and those that are referred for legal action.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025-2028	Prioritize and respond to known illicit discharges / illegal dumping to investigate source and track results Respond to high priority discharges each year, within 24 hours and notify appropriate agency Notify TCEQ immediately of flows believed to be an immediate threat to human health or the environment Notify responsible party within 24 hrs and pursue legal action as appropriate to eliminate source	100% of known incidents 100% of incidents where source is known

PREVENT AND CORRECT LEAKING OSSFS — ID - 6

Responsible Department(s)

Primary: Development Services

Secondary: GIS

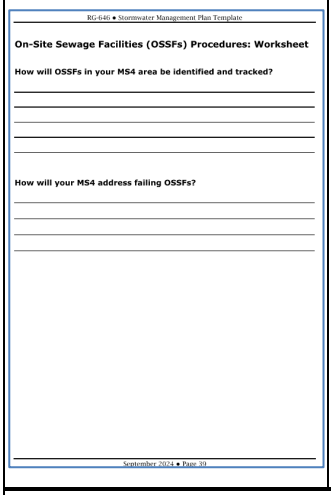
Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV, Section D.3.a.1.h

TCEQ Worksheets:


RG-640 ● Stormwater Management Plan Template

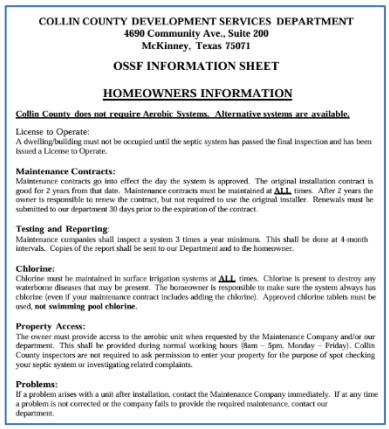
On-Site Sewage Facilities (OSSFs) Procedures: Worksheet

How will OSSFs in your MS4 area be identified and tracked?

How will your MS4 address failing OSSFs?

September 2024 ● Page 30

DESCRIPTION


COLLIN COUNTY DEVELOPMENT SERVICES DEPARTMENT
4690 Community Ave., Suite 200
McKinney, Texas 75071

OSSF INFORMATION SHEET

HOMEOWNERS INFORMATION

Collin County does not require Aerobic Systems. Alternative systems are available.

License to Operate:
A dwelling/building must not be occupied until the septic system has passed the final inspection and has been issued a License to Operate.

Maintenance Contracts:
Maintenance contracts go into effect the day the system is approved. The original installation contract is good for 2 years from that date. Maintenance contracts must be maintained at ALL times. After 2 years the owner is responsible to renew the contract, but not required to use the original installer. Renewals must be submitted to our department 30 days prior to the expiration of the contract.

Testing and Reporting:
Maintenance companies shall inspect a system 3 times a year minimum. This shall be done at 4-month intervals. Copies of the report shall be sent to our Department and to the homeowner.

Chlorine:
Chlorine must be maintained in surface irrigation systems at ALL times. Chlorine is present to destroy any waterborne diseases that may be present. The homeowner is responsible to make sure the system always has chlorine (even if your maintenance contract includes adding the chlorine). Approved chlorine tablets must be used, **not swimming pool chlorine.**

Property Access:
The owner must provide access to the aerobic unit when requested by the Maintenance Company and/or our department. This shall be provided during normal working hours (8am – 5pm, Monday – Friday). Collin County inspectors are not required to ask permission to enter your property for the purpose of spot checking your septic system or investigating related complaints.

Problems:
If a problem arises with a unit after installation, contact the Maintenance Company immediately. If at any time a problem is not corrected or the company fails to provide the required maintenance, contact our department.

The County administers the On-Site Sewage Facility (OSSF) program in Collin County and has regulations that help to reduce the number of failing septic systems. The County fully enforces Chapter 266 of the Texas Health and Safety Code and Chapters 7 and 37 of the Texas Water Code.

The County is in charge of licensing and inspection of OSSFs. The current OSSF regulations were adopted on March 11, 2008 by Court Order No. 2008-187-03-11 and incorporated by reference 30 TAC Chapters 30 and 285 along with a list of more stringent rules.

Each new homeowner must re-register their septic system. Upon transfer of utility, the electrical provider in the area requires that the septic system be inspected prior to setting up a new account. Maintenance inspections must be performed 3 times per year by appropriately licensed OSSF professional and reported to Development Services within 14 days. The County maintains a database of inspections in the County.

The County will review and update the inventory of all identified OSSFs and their status at least once annually to address changes or additions.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Identify all OSSFs in the MS4 regulated area / track status Document procedures to address failing/poorly maintained systems Investigate and address complaints reported via hotline	Maintain Energov database SOP or Worksheet 100% of complaints
2026 - 2028	Maintain OSSFs tracking mechanism and continue regulating OSSFs Review/update (if necessary) OSSF procedures Investigate and address complaints reported via hotline.	Maintain Energov database Revised procedures 100% of complaints

5.4 MCM #4 - Construction Site Storm Water Runoff Control

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.

As discussed in **Section 3.2 Review of County Authority**, the County lacks the authority to enact ordinances related to construction sites and lacks the legal authority to inspect construction sites. As stated in the Small MS4 General Permit, non-traditional small MS4s such as counties that lack the authority to inspect construction sites shall at a minimum conduct inspections of sites operated by the County or its contractors that are located in the County's regulated area.

The County has entered into ILAs with the local communities for inspections and enforcement of construction sites within each City's ETJ. Complaints regarding construction sites will be referred to the appropriate MS4 for inspection and enforcement. Where the particular city does not have enforcement authority, the County will notify the TCEQ field office for enforcement.

The list of BMPs below are required to meet the regulatory requirements of the new permit.

- C-1 Regulatory Authority and Prohibited Discharges
- C-2 Site Plan Review
- C-3 Construction Site Inspections
- C-4 Information Submitted by the Public
- C-5 MS4 Staff Construction Training

Collin County has interlocal agreements with all the municipalities in the County (**Appendix C – Interlocal Agreements**) for implementation of plan review procedures for erosion and sediment control within their extraterritorial jurisdictions (ETJs). All of Collin County's regulated MS4 areas are included within the ETJs of one of the municipalities.

COLLIN COUNTY	**REGULATORY AUTHORITY AND PROHIBITED DISCHARGES**	**C - 1**

Responsible Department(s)

Primary: Engineering

Secondary: None

Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.4.(a)

Part IV.D.4.(b)(1)

Part IV.D.4.(b)(2)

TCEQ Worksheets:

DESCRIPTION

The County lacks the authority to enact ordinances related to construction sites. As stated in the Small MS4 General Permit, non-traditional small MS4s such as counties that lack the authority to regulate construction sites shall at a minimum require erosion and sediment control on sites operated by the County or its contractors that are located in the County's regulated area.

In addition to the requirements of the Construction General Permit TXR150000, the MS4 permit lists prohibited discharges which will be enforced at County construction sites whether the operator is the County or a contractor. The following discharges are prohibited:

a) Wastewater from washout of concrete and wastewater from water well drilling operations, unless managed by an appropriate control;
b) Wastewater from washout and cleanout of stucco, paint, from release oils, and other construction materials;
c) Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
d) Soaps or solvents used in vehicle and equipment washing; and
e) Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate BMPs.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025 - 2028	Add prohibited discharge language to County construction contracts	100% of contracts

	SITE PLAN REVIEW	C - 2

Responsible Department(s)

Primary: Engineering

Secondary: Development Services

Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.4.(b)(3)

TCEQ Worksheets:

RG-640 • Stormwater Management Plan Template

Construction Site Plan Review Procedure: Worksheet

Date Last Revised: _____

How will your MS4 review construction site plans?

Who will review construction site plans?

What is your MS4's criteria for approving a construction site plan?

How will your MS4 decide when an operator can begin construction?

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DESCRIPTION

All of the regulated MS4 areas in unincorporated Collin County is contained within the ETJs of Cities and Towns in the area, and the County has interlocal agreements with each of these cities (see **Appendix C**) to regulate subdivisions in their ETJ, in accordance with House Bill 1445 and Chapter 242 of the Local Government Code. Within each City's ETJ, construction plans must conform to that City's requirements. Construction plans including erosion and sediment control plans are submitted and reviewed by the Cities. For subdivisions that disturb 1 acre or more of land in unincorporated Collin County, the CGP requires the development of a SWPPP and submittal of the construction site (CSN) or Notice of Intent (NOI) to the MS4 operator (County). For each CSN or NOI submitted, the County will determine if the construction site is located in the ETJ of a municipality and share the information with the respective city. The County will also determine if the site is located in the County's regulated MS4 area.

For the unincorporated areas that are outside of the ETJs, the County's authority is limited to commercial or residential building permits, which includes submittal of SWPPPs for disturbances greater than 1 acre. The County's subdivision regulations were updated during the previous permit term through signed Court Order (No. 2020-957-09-28) which was adopted on September 28, 2020.

This BMP will maintain and implement site plan review procedures that describe which plans will be reviewed as well as when an operator may begin construction. The procedures must incorporate potential water quality impacts and require compliance with TPDES CGP TXR150000 prior to approval.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Develop written site plan review procedures Implement site plan review procedures for new construction site plans received each year	Complete Worksheet C-2 Review 100% of plans received
2026 - 2028	Review and update site plan review procedures to address changes and make improvements Implement site plan review procedures for new construction site plans received each year	At least one /year Review 100% of plans received

COLLIN COUNTY	**CONSTRUCTION SITE INSPECTIONS**	**C - 3**

Responsible Department(s)

Primary: Engineering

Secondary: None

Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.4.(b)(4)

TCEQ Worksheets:

RG-640 • Stormwater Management Plan Template

Construction Site Inspections and Enforcement Procedure: Worksheet

Date Last Revised: _____

What causes a construction site inspection?

What does your MS4 need to do before an inspection occurs?

What criteria are inspected during construction site inspections?

What leads to enforcement from an inspection?

What does your MS4 do for post-inspection follow-ups?

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DESCRIPTION

The County has interlocal agreements with municipalities in Collin County granting them exclusive jurisdiction to regulate subdivisions in their ETJs.

For areas outside the ETJs, Collin County's current subdivision regulations require that the developer notify the Engineering department 48 hours prior to commencement of construction and gives Engineering the authority to inspect the construction of all drainage structures or streets during the course of construction.

As stated in the Small MS4 General Permit, non-traditional small MS4s such as counties that lack the authority to inspect construction sites shall at a minimum conduct inspections of sites operated by the County or its contractors that are located in the County's regulated area. The County conducts construction inspections of County roadway projects operated by the County or independent contractors.

The Small MS4 Permit requires inspections of at least 80% of active construction sites annually. Inspection should consider site factors that may impact water quality, such as: soil erosion potential; site slope; project size and type; sensitivity of receiving water bodies; proximity to receiving water bodies; non-stormwater discharges; and past record of noncompliance by the operators of the construction site.

Inspections of construction sites must occur during the active construction phase and should evaluate the following:

- Site CGP TXR150000 coverage,
- Stormwater control measures implementation and maintenance, and
- Compliance with MS4 ordinance(s) and other regulations.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025 - 2028	Develop and implement written inspection procedures for projects under County authority	Update procedures 1/year
	Inspect construction sites under County authority and document results	Inspect at least 80% of sites Electronic inspection reports
	Take follow-up enforcement actions or notify appropriate authority	100% of inspected sites

	INFORMATION SUBMITTED BY THE PUBLIC	**C - 4**

Responsible Department(s)

Primary: Engineering

Secondary: None

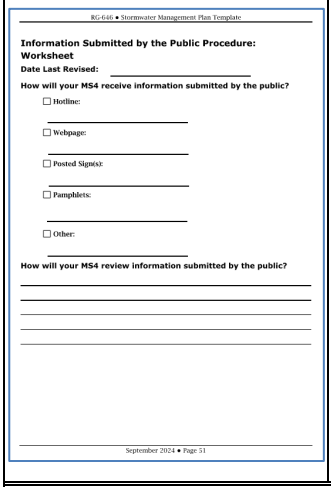
Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.4.(b)(5)

TCEQ Worksheets:


RG-646 ♦ Stormwater Management Plan Template

Information Submitted by the Public Procedure: Worksheet

Date Last Revised: _____

How will your MS4 receive information submitted by the public?

- ☐ Hotline: _____
- ☐ Webpage: _____
- ☐ Posted Sign(s): _____
- ☐ Pamphlets: _____
- ☐ Other: _____

How will your MS4 review information submitted by the public?

_____

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DESCRIPTION

The Small MS4 General Permit requires that the County develop, implement, and maintain procedures for receipt and consideration of information submitted by the public regarding local construction activities. A tracking process will be required to document the nature of the information submitted and any follow-up activities (if warranted). A dedicated email address (engineer@co.collin.tx.us) and the Engineering Department phone number will be used for receipt of written and verbal comments and inquiries.

Collin County will notify the respective city with enforcement authority over the construction site of any citizen complaints that it receives through their reporting system regarding construction sites located in the City's ETJ. If allowed under State and local law, the City will perform construction inspections of those sites located in the City's ETJ and share results with Collin County.

The County will review and update procedures for the receipt and consideration of information submitted by the public at least one time annually to address changes and make improvements to the established procedures where applicable.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Develop written procedures Maintain phone number and dedicated email address for receipt of information submitted by the public throughout the permit term.	Complete TCEQ Worksheet 100% of the time
2026 - 2028	Review and update procedures Maintain phone number and dedicated email address for receipt of information submitted by the public throughout the permit term	Updated TCEQ Worksheet 100% of the time

MS4 Staff Construction Training — C - 5

Responsible Department(s)

Primary: Engineering

Secondary: None

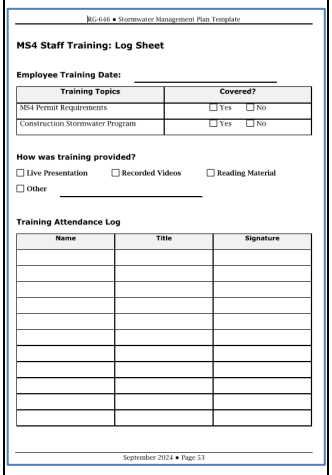
Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.4.(b)(6)

TCEQ Worksheets:



RG-646 • Stormwater Management Plan Template

MS4 Staff Training: Log Sheet

Employee Training Date: _____

Training Topics	Covered?
MS4 Permit Requirements	☐ Yes ☐ No
Construction Stormwater Program	☐ Yes ☐ No

How was training provided?

☐ Live Presentation ☐ Recorded Videos ☐ Reading Material

☐ Other _____

Training Attendance Log

Name	Title	Signature

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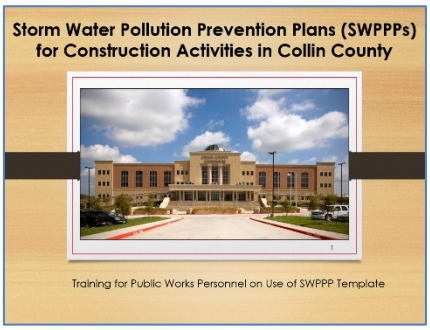
Description



Conduct training for all the MS4 staff whose primary job duties are related to implementing the construction stormwater program including permitting, plan review, construction site inspections, and enforcement.

Training may be conducted in person or using self-paced training materials such as videos or reading materials.

During the first year of the permit term, the County will identify staff with primary duties related to construction stormwater. The staff list will be updated annually. The County will also update existing training presentations on Land Disturbance and the Public Works SWPPP template to reflect updates based on the 2023 Construction General Permit and the 2024 MS4 Permit.

The County may use the TCEQ Worksheet (located in Appendix B) to document training activities. Documentation should record the training date, topics covered, and note whether the training is:

- An in-person presentation,
- A training video,
- Training material to read, or
- Some other type of training.

Documentation will record attendees' name, title, and signature on an attendance log sheet. Attendance records will be scanned electronically and will be made available for review by TCEQ when requested.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Identify staff requiring training Update training material Conduct one training annually for 100% of MS4 staff whose primary job duties are related to implementing the construction stormwater program	Staff list Updated presentation 1 training
2026-2028	Review and update list of staff requiring training Conduct one training annually for 100% of MS4 staff whose primary job duties are related to implementing the construction stormwater program	Updated staff list 1 training

5.5 MCM #5 - Post-Construction Storm Water Management in Areas of New Development and Redevelopment

Numerous studies have documented that storm water 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 storm water 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, 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 acre or more, including projects that disturb less than one 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. The program may utilize an offsite mitigation and payment in lieu of components to address this requirement.

All permittees shall use, to the extent allowable under state, federal, and local law and local development standards, an ordinance or other regulatory mechanism to address post-construction runoff.

As discussed in **Section 3.2 Review of County Authority**, the County lacks the authority to enact ordinances related to post-construction.

Collin County uses interlocal agreements with local municipalities in the County (**Appendix B – Interlocal Agreements**) as a regulatory mechanism for implementation of post-construction BMP requirements for construction projects within the Citys' extraterritorial jurisdictions (ETJs). All of Collin County's MS4 regulated areas are included within the ETJs of one of the local municipalities. The County lacks enforcement authority relating to post-construction requirements so the Small MS4 Permit requirements to maintain records of enforcement actions (Part IV.D.5.(b)(1)) is not applicable.

The County does not currently have any post-construction BMPs at county-owned facilities or any post-construction BMPs where the County is responsible for maintenance but will ensure the long-term operation and maintenance of any BMPs that may be required in the future.

For this minimum control measure, the following BMPs are included in Collin County's SWMP.

- PC-1 Regulatory Mechanism – Interlocal Agreements
- PC-2 Long Term Operation and Maintenance of BMPs

	REGULATORY MECHANISM – INTERLOCAL AGREEMENTS	**PC - 1**
Responsible Department(s) Primary: Engineering Secondary: None	**DESCRIPTION** Collin County uses Interlocal Agreements with local municipalities to regulate developments in their ETJ. The small MS4 permit requires permittees to review and update the ordinance or other regulatory mechanism at least one time during the 5 -year permit term to address changes and make improvements to the ordinance where applicable.	
Existing BMP ☒ New BMP/Element ☐		
Permit Reference: Part IV.D.5.(a)(2)		
TCEQ Worksheets: None		

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	None	None
2026	Review and update Interlocal Agreements (ILA), if applicable	Update ILA if necessary
2027	None	None
2028	None	None

Long Term Operation and Maintenance of BMPs

PC - 2

Responsible Department(s)

Primary: Engineering

Secondary: None

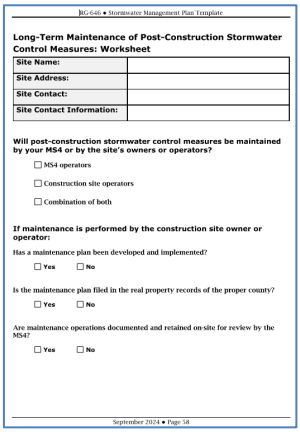
Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.5.(b)(2)

TCEQ Worksheets:



RG-640 • Stormwater Management Plan Template

Long-Term Maintenance of Post-Construction Stormwater Control Measures: Worksheet

Site Name:	
Site Address:	
Site Contact:	
Site Contact Information:	

Will post-construction stormwater control measures be maintained by your MS4 or by the site's owners or operators?

☐ MS4 operators

☐ Construction site operators

☐ Combination of both

If maintenance is performed by the construction site owner or operator:

Has a maintenance plan been developed and implemented?

☐ **Yes** ☐ **No**

Is the maintenance plan filed in the real property records of the proper county?

☐ **Yes** ☐ **No**

Are maintenance operations documented and retained on-site for review by the MS4?

☐ **Yes** ☐ **No**

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Description

This BMP involves an inspection process to determine the effectiveness of each structural BMP installed at County facilities located within the MS4 regulated area. Inspections will be conducted on a regular basis and maintenance will be conducted at a frequency needed to maintain the efficiency of the BMP with respect to pollutant removal.

At this time, there are no post-construction structural BMPs that are located within the County's regulated MS4 area for which the County has maintenance authority.

The County will identify and map any new post-construction BMPs that are installed at County Facilities or where the County has maintenance responsibilities and establish operation and maintenance procedures for those BMPs.

Long-term operation and maintenance of structural stormwater control measures should be addressed in one or both of the following ways:

- Maintenance performed by the MS4, and
- Maintenance performed by the owner or operator of a new development or redeveloped site under a maintenance plan. The maintenance plan must be filed in the real property records of the county in which the property is located.

All maintenance performed should be documented and retained on-site (e.g., the offices of the site owner or operator) and be made available for review by Collin County or TCEQ within 24 hours of a request.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025 - 2028	Access and map any new post-construction BMPs under County maintenance authority Implement a maintenance plan and schedule	100% of BMPs where County is responsible for maintenance
	Require the owners or operators of any new development or redeveloped sites to develop and implement a maintenance plan	100% of owners/operators
	Require the site owner/operators to maintain documentation of maintenance	100% of maintenance performed

5.6 MCM #6 - Pollution Prevention/Good Housekeeping for Municipal 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.

The following BMPs are required to meet regulatory requirements for this program element.

- GH-1 County Facilities and Control Inventory
- GH-2 Employee Training and Education
- GH-3 Disposal of Waste Material
- GH-4 Contractor Requirements and Oversight
- GH-5 County Operation and Maintenance Activities
- GH-6 Pollution Prevention Measures
- GH-7 Structural Control Maintenance

County Facilities and Control Inventory

GH - 1

Responsible Department(s)

Primary: GIS

Secondary:

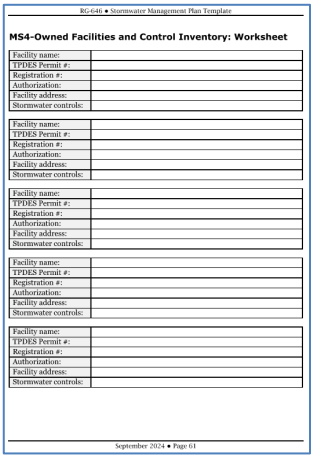
Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.6.(b)(1)

TCEQ Worksheets:



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MS4-Owned Facilities and Control Inventory: Worksheet

Facility name:	
TPDES Permit #:	
Registration #:	
Authorization:	
Facility address:	
Stormwater controls:	

Facility name:	
TPDES Permit #:	
Registration #:	
Authorization:	
Facility address:	
Stormwater controls:	

Facility name:	
TPDES Permit #:	
Registration #:	
Authorization:	
Facility address:	
Stormwater controls:	

Facility name:	
TPDES Permit #:	
Registration #:	
Authorization:	
Facility address:	
Stormwater controls:	

Facility name:	
TPDES Permit #:	
Registration #:	
Authorization:	
Facility address:	
Stormwater controls:	

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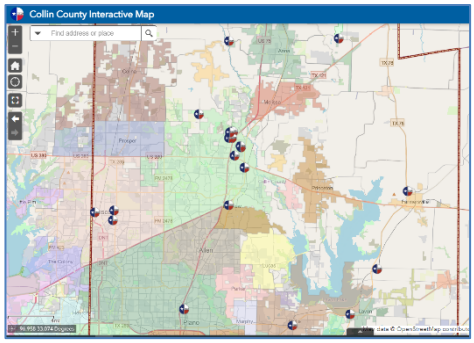
Description



Develop and maintain an annual inventory for 100% of the County-owned and operated facilities and controls in the small MS4 regulated area including:

a. Composting facilities;
b. Equipment storage and maintenance facilities;
c. Fuel storage facilities;
d. Hazardous waste disposal facilities;
e. Hazardous waste handling and transfer facilities;
f. Incinerators;
g. Landfills;
h. Materials storage yards;
i. Pesticide storage facilities;
j. Buildings;
k. Parking lots;
l. Golf courses;
m. Swimming pools;
n. Public works yards;
o. Recycling facilities;
p. Salt storage facilities;
q. Solid waste handling and transfer facilities;
r. Street repair and maintenance sites;
s. Vehicle storage and maintenance yards; and
t. Structural stormwater controls.

The County will review and update the inventory at least once annually to address changes or additions to the facilities and controls where applicable. The inventory currently includes 27 County offices with associated parking lots, 5 County Parks and 4 Stockpile Material Storage Areas.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Perform GIS analysis	Develop inventory for 100% of the County-owned and operated facilities and controls in the small MS4 regulated area
2026 - 2028	Perform GIS analysis	Review and update inventory

EMPLOYEE TRAINING AND EDUCATION — GH - 2

Responsible Department(s)

Primary: Engineering

Secondary: Public Works

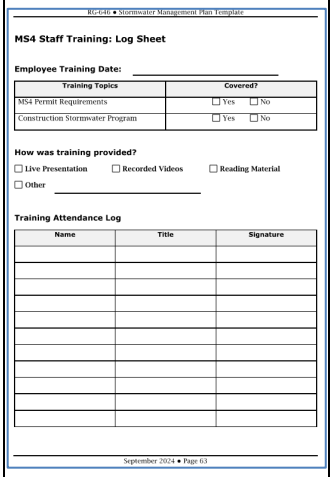
Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.6.(b)(2)

TCEQ Worksheets:



RG-646 ● Stormwater Management Plan Template

MS4 Staff Training: Log Sheet

Employee Training Date: _____

Training Topics	Covered?
MS4 Permit Requirements	☐ Yes ☐ No
Construction Stormwater Program	☐ Yes ☐ No

How was training provided?

☐ Live Presentation ☐ Recorded Videos ☐ Reading Material

☐ Other _____

Training Attendance Log

Name	Title	Signature

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DESCRIPTION

Conduct a minimum of one training annually for 100% of employees involved in implementing pollution prevention and good housekeeping practices.

Training may be conducted in person or using self-paced training materials such as videos or reading materials.

The County contracts with Sigma Consultants to conduct annual spill prevention training. The training is conducted in-person and provides information on good housekeeping practices including spill prevention, cleanup and personal protection equipment.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025 - 2028	Conduct a minimum of one training annually for staff involved in implementing pollution prevention and good housekeeping practices.	100% of employees

	DISPOSAL OF WASTE MATERIAL	**GH - 3**
Responsible Department(s) Primary: Engineering Secondary:	**DESCRIPTION** Ensure that 100% of waste from the MS4 is disposed of in accordance with 30 TAC Chapters 330 or 335, as applicable each year. The County will ensure that the regulatory language is included in the next waste disposal contract that is executed.	
Existing BMP ☐ New BMP/Element ☒		
Permit Reference: Part IV.D.6.(b)(3)		
TCEQ Worksheets: None		

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025 - 2028	Ensure that waste from the MS4 is disposed of in accordance with 30 TAC Chapters 330 or 335	100% of waste

Contractor Requirements and Oversight

GH - 4

Responsible Department(s)

Primary: Engineering

Secondary: Public Works

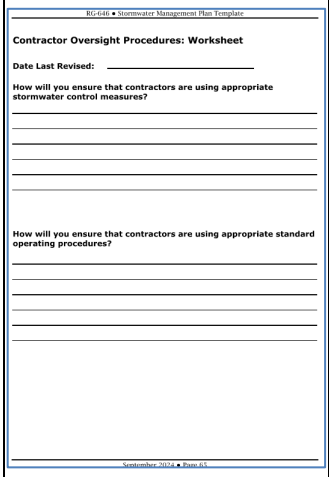
Existing BMP ☒

New BMP/Element ☒

Permit Reference:

Part IV.D.6.(b)(4)

TCEQ Worksheets: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Contractor Oversight Procedures: Worksheet

Date Last Revised: _____

How will you ensure that contractors are using appropriate stormwater control measures?

How will you ensure that contractors are using appropriate standard operating procedures?

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Description

Each year, ensure that 100% of contractors hired by the County to perform maintenance activities on County-owned facilities is contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management operating procedures.

Implement oversight procedures of contractor activities in 100% of contracts to ensure that contractors are using appropriate control measures and SOPs each year.

Oversight procedures must be maintained on-site 100% of the time and made available for review by TCEQ within 24 hours of request.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Document oversight procedures Review and update contract language	Complete TCEQ Worksheet
2026-2028	Implement oversight of contractor activities to ensure that contractors are using appropriate control measures and SOPs Maintain oversight procedures on-site	100% of contracts 100% of the time

COLLIN COUNTY	**COUNTY OPERATION AND MAINTENANCE ACTIVITIES**	**GH - 5**

Responsible Department(s)

Primary: Engineering

Secondary: Public Works

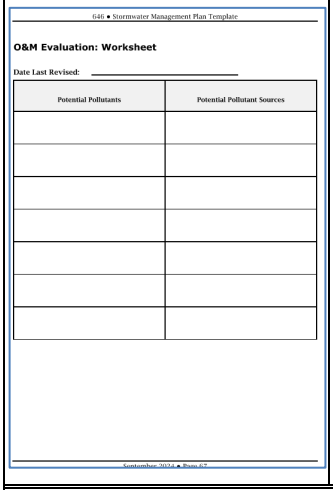
Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.6.(b)(5)(a)
Part IV.D.6.(b)(5 (b)

TCEQ Worksheets: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O&M Evaluation: Worksheet

Date Last Revised: _____

Potential Pollutants	Potential Pollutant Sources

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DESCRIPTION

The Small MS4 Permit requires that permittees evaluate operation and maintenance (O&M) activities for their potential to discharge pollutants in stormwater, including but not limited to:

- Road and parking lot maintenance, including such areas as pothole repair, pavement marking, sealing, and re-paving;
- Bridge maintenance, including such areas as re-chipping, grinding, and saw cutting;
- Cold weather operations, including plowing, sanding, and application of deicing and anti-icing compounds and maintenance of snow disposal areas; and
- Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation.

The permit also requires that the County identify pollutants of concern that could be discharged from the above O&M activities (for example, metals; chlorides; hydrocarbons such as benzene, toluene, ethyl benzene, and xylenes; sediment; and trash).

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Evaluate 100% of O&M activities Identify pollutants of concern	Complete TCEQ Worksheet
2026 - 2028	Review and update the pollutants of concern list at least one time annually to address changes or additions to the O&M activities where applicable.	Updated TCEQ Worksheet

	POLLUTION PREVENTION MEASURES	**GH - 6**

Responsible Department(s)

Primary: Public Works

Secondary:

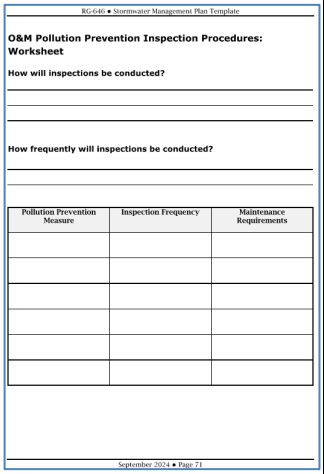
Existing BMP ☐

New BMP/Element ☒

Permit Reference:

Part IV.D.6.(b)(5)(c)
Part IV.D.6.(b)(5)(d)

TCEQ Worksheets: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O&M Pollution Prevention Inspection Procedures: Worksheet

How will inspections be conducted?

How frequently will inspections be conducted?

Pollution Prevention Measure	Inspection Frequency	Maintenance Requirements

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DESCRIPTION

The Small MS4 Permit requires that the County develop and implement a set of pollution prevention (PP) measures that will reduce the discharge of pollutants in stormwater from the O&M activities. These pollution prevention measures must include at least two of the specific measures listed in the permit. The County has chosen to implement the following:

1) Tracking application of deicing and anti-icing compounds, and

2) Placing barriers around or conducting runoff away from deicing chemical storage areas to prevent discharge into surface waters.

At least once annually, visually inspect 100% of pollution prevention measures implemented at County-owned facilities to ensure they are working properly. TCEQ worksheet (Appendix B) may be used.

Develop and maintain written procedures that describe the frequency of inspections and how they will be conducted. TCEQ worksheet (Appendix B) may be used.

Review and update the inspection procedures at least once annually to address changes or additions to the pollution prevention measures.

Maintain a log of 100% of the inspections conducted annually and make the log available for review by the TCEQ within 24 hours of a request. TCEQ worksheet (Appendix B) may be used.

The County does not currently use any deicing chemicals but does use sand on roadways during icing events. The County tracks the sand applications and uses silt fence around storage areas to prevent discharge.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Develop written inspection procedures Visually inspect the PP measures Maintain inspection log sheet	Completed TCEQ Worksheet 1/year 1/inspection
2026 - 2028	Review and update the inspection procedures Visually inspect the PP measures Maintain a log of 100% of the inspections	Updated TCEQ Worksheet 1/year 1/inspection

STRUCTURAL CONTROL MAINTENANCE — GH - 7

Responsible Department(s)

Primary: Public Works

Secondary:

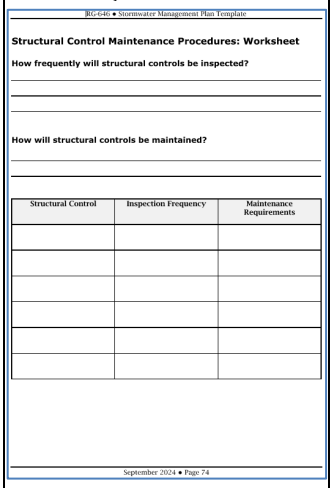
Existing BMP ☒

New BMP/Element ☐

Permit Reference:

Part IV.D.6.(b)(6)

TCEQ Worksheets:


RG-646 ● Stormwater Management Plan Template

Structural Control Maintenance Procedures: Worksheet

How frequently will structural controls be inspected?

How will structural controls be maintained?

Structural Control	Inspection Frequency	Maintenance Requirements

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DESCRIPTION

At least once annually, perform maintenance of 100% of the structural controls which require maintenance.

Maintenance must follow a plan and schedule developed by the small MS4 operator to be consistent with maintaining the effectiveness of the BMP.

The permittee shall develop and maintain written procedures that define the frequency of inspections and how they will be conducted.

Review and update the maintenance procedures at least once annually to address changes or additions to the pollution prevention measures.

The structural controls that need maintenance include:

1. Grit trap at car wash at McKinney Service Center
2. Oil/Water Separator at McKinney Service Center
3. Aggregate Stockpiles

The County inspects the grit trap and oil/water separator at least quarterly and maintains the structural controls, as need (at least annually).

Stockpiles of sand and other road base materials are located at all four of the County Facilities: the Public Works Service Center in McKinney, the Farmersville Facility, the Weston Facility, and the Copeville Facility. The County maintains erosion control BMPs (silt fence or socks) around stockpile areas to prevent the transport of material off-site. The County also inspects these BMPs quarterly and replaces or repairs the BMPs as necessary.

Annual Implementation Activities

Calendar Years	Annual Activity/BMP	Measurable Goals
2025	Develop written maintenance procedures Perform maintenance of 100% of the structural controls	Completed TCEQ Worksheet 1/year
2026 - 2028	Review and update the maintenance procedures Perform maintenance of 100% of the structural controls	Updated TCEQ Worksheet 1/year

5.7 MCM #7 – Industrial Stormwater Sources

This MCM is only applicable to Level 4 MS4s.

5.8 MCM #8 - Authorization for Municipal Construction Activities

Collin County may apply under the TPDES Small MS4 General Permit for authorization to discharge storm water runoff from each construction activity performed by the County that results in the disturbance of one or more acres of land as an alternative to applying for coverage under the TPDES Construction General Permit. Collin County has decided not to develop the optional eighth minimum control measure for municipal construction activities. This optional 8th minimum control measure may be developed after the submittal of the initial NOI and would require a Notice of Change (NOC) to be submitted to notify the executive director of this change and identify the geographical area or boundary where the activities will be conducted under the provisions of this permit.

Appendix A. Stormwater Outfall Data

Appendix B. TCEQ Worksheets

Appendix C. Interlocal Agreements

Appendix D. TPDES General Permit for Storm Water Discharges from Small MS4s (TXR040000)

Effective August 15, 2024

Appendix E. Notice of Intent Submittal Confirmation