

Collin County TPDES Phase 2 MS4 SWMP

Annual Report for 2022 Calendar Year

Reporting Period: 1/1/2022 – 12/31/2022

TXR040035

March 31, 2023



Prepared for:

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TPDES Phase II MS4 Annual Report

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Phase II (Small) MS4 Annual Report Form
TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040035

Reporting Year (year will be either 1, 2, 3, 4, or 5): 4

Annual Reporting Year Option Selected by MS4:

Calendar Year: X

Permit Year: _____

Fiscal Year: _____ Last day of fiscal year: (____)

Reporting period beginning date: (month/date/year) 1/1/2022Reporting period end date: (month/date/year) 12/31/2022MS4 Operator Level: 2 Name of MS4: Collin County MS4Contact Name: Tracy Homfeld Telephone Number: 972-548-3733Mailing Address: 4690 Community Avenue, Suite 200, McKinney, TX 75071E-mail Address: thomfeld@co.collin.tx.usA copy of the annual report was submitted to the TCEQ Region: YES X NO ____Region the annual report was submitted to: TCEQ Region 4

B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions:
(TXR040000 Part IV.B.2)

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		As of 3/16/2023, the SWMP is technically complete by TCEQ.
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		

	Yes	No	Explain
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (see Example 1 in instructions):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1	Promote Earth-Kind Landscaping	Yes
1	Storm Water Web Site	Yes
1	Storm Water Brochures	Yes
1	NCTCOG Committee Participation	Yes
1	Collin County Adventure Camp	Yes
1	Stream Clean Up Projects	Yes
2	Storm Drain System Outfall Mapping	Yes
2	Visual Monitoring of Outfalls	Yes
2	Illicit Discharge Investigations	Yes
2	Reduce Illegal Dumping	Yes
2	Promote Used Oil Recycling	Yes
2	Hazardous Material Spill Response	Yes
2	Reduce Failing Septic Systems	Yes
2	Illicit Discharge Training	Yes
2	Proper Pet Waste Disposal	Yes
3	Erosion Control Plan Review	Yes
3	Construction Inspection	Yes
3	Information Submitted by the Public	Yes
4	Long Term Operation and Maintenance of BMPs	Yes, but no permanent post-construction BMPs have been constructed in Collin County's regulated area that are not maintained by other entities.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
5	Storm Water Pollution Prevention Training/ Facility Specific SOP Manual	Yes
5	Storm Sewer System Cleaning/ ROW Mowing	Yes
5	Erosion Control during Road and Bridge Maintenance and Construction	Yes
5	Metal Recycling	Yes
5	Used Tires Recycling	Yes
5	Used Oil Recycling	Yes
5	Use of Licensed Applicators for Herbicides	Yes
5	Spill Prevention Training	Yes
5	Vehicle Maintenance	Yes
5	Vehicle Washing	Yes
5	Aggregate Stockpiles	Yes
5	Vehicle Fueling	Yes
5	County Facilities and Control Inventory	Yes
5	County Operation and Maintenance Activities	Yes
5	Contractor Oversight	Yes

3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the MEP. If no progress was made or the BMP did not result in a reduction in pollutants, provide an explanation. Use the table below to meet this requirement (see Example 2 in instructions):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	Promote Earth-Kind Landscaping	Myers Park and Event Center, Collin County Master Gardeners	1	Demonstration Garden	No. Although this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	Storm Water Web Site	Update web content to include annual report, Resources link on web page	1	Web page	No. Although this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.
1	Storm Water Brochures	Brochures distributed with permit applications	7,215	Brochures	No. Although this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.
1	NCTCOG Committee Participation	Attend meetings	4	Meetings	No. Although this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.
1	Collin County Adventure Camp	Education Programs	11,889 students	Participants	No. Although this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.
1	Stream Clean Up Projects	Debris removed	0	Pounds	Yes. Removal of trash and debris eliminates stormwater pollutants.
2	Storm Drain System Outfall Mapping	Outfall map	1	Map	No. Although this BMP does not result in a direct reduction of pollutants, mapping outfalls allows for the tracing of illicit discharges when observed.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2	Visual Monitoring of Outfalls	Outfall inspections	14	Outfalls	Yes. The visual monitoring of outfalls results in identification and removal of illicit discharges when observed.
2	Illicit Discharge Investigations	Public complaints and reporting	14	Investigations	Yes. The investigation and prosecution of illicit discharges reduces stormwater pollutants.
2	Reduce Illegal Dumping	Sheriff's reports	325	Investigations	Yes. The investigation and prosecution of illegal dumping reduces stormwater pollutants.
2	Promote Used Oil Recycling	Link to promote recycling locations	1	Web site link	No. Although this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.
2	Hazardous Material Spill Response	Response calls	0	Responses events	Yes. Cleanup of spills reduces pollutants in stormwater.
2	Reduce Failing Septic Systems	Complaints and inspection requests	1,266 new system inspections and 34 complaint investigations	Investigations	Yes. The inspection of septic systems reduces the number of failing systems and stormwater pollutants.
2	Illicit Discharge Training	Number of County Employees receiving training	1	Trainees Departments	No. Although this BMP does not result in a direct reduction of pollutants, educating employees will increase awareness, reporting and investigation of illicit discharges and decrease pollutants in stormwater.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
2	Proper Pet Waste Disposal	Not implemented yet	1	Meeting	No. It was determined by staff members at Myers Park that there is no pet waste found in the parks. The staff will continue to monitor the park and implement waste disposals where appropriate.
3	Erosion Control Plan Review	Plan review spreadsheet	55	Reviews	No, but the review of construction plans ensures compliance with CGP and reduces the potential of pollutants in stormwater.
3	Construction Inspection	Construction spreadsheet	100% of County roadway construction projects inspected, 16 active Residential Development Projects inspected.	Inspections	Yes. By inspecting construction sites, can evaluate if proper BMPs are in place to reduce sediment discharge and correct problems when observed.
3	Information Submitted by the Public	Development Services work orders	32	Complaints	Yes, reports by the public leads to investigations and reduces pollutants in stormwater.
4	Long Term Operation and Maintenance of BMPs	Public works records	0	BMPs	N/A. No BMPs identified.
5	Storm Water Pollution Prevention Training/ Facility Specific SOP Manual	Training sign-in sheets	1	Employees Trained	No. Although this BMP does not result in a direct reduction of pollutants, educating county workers will increase awareness and decrease pollutants in stormwater.
5	Storm Sewer System Cleaning/ ROW Mowing	Public Works records of ROW maintenance activities	21,303	Man-hours	Yes, maintenance of storm sewer system reduces pollutants in stormwater.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5	Erosion Control during Road and Bridge Maintenance and Construction	Public Works records of erosion control activities	457	Man-hours	Yes, erosion control BMPs reduces pollutants in stormwater.
5	Metal Recycling	Weight of metal recycled	69,640	Pounds	No. Recycling of materials reduces the amount of waste in landfills.
5	Used Tires Recycling	Number of tires recycled	1,095	Tires	No. Recycling of materials reduces the amount of waste in landfills.
5	Used Oil Recycling	Volume of used oil recycled	2,080	Gallons	No. Recycling of materials reduces the amount of waste in landfills.
5	Use of Licensed Applicators for Herbicides	Applicants records	2	Licenses	No. Use of licensed applicators promotes proper use and reduces the possibility of pollutants in stormwater.
5	Spill Prevention Training	Sign in sheets	20	Trainees	No. Although this BMP does not result in a direct reduction of pollutants, educating county workers will increase awareness and decrease pollutants in stormwater.
5	Vehicle Maintenance	Maintenance log	13	Inspections	No, but regular inspections of BMPs reduces the possibility of pollutants in stormwater.
5	Vehicle Washing	Maintenance log	12	Inspections	No, but regular inspections of BMPs reduces the possibility of pollutants in stormwater.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
5	Aggregate Stockpiles	Inspection log	4	Inspections per site	Yes, regular inspections of BMPs allows for the timely correction of failed BMPs and reduces the possibility of pollutants in stormwater.
5	Vehicle Fueling	Leak detection reports	12	Reports per site	No, but regular inspections of fuel tanks reduce the possibility of pollutants in stormwater.
5	County Facilities and Control Inventory	Facilities Map	27	Facilities	No, but knowing the location of facilities within the regulated UA is required by the Phase 2 MS4 permit.
5	County Operation and Maintenance Activities	O&M Assessment	1	Annual assessment	No. New O&M activities, PP measures or structural controls were not identified in the 2022 assessment.
5	Contractor Oversight	Project records/contract documents	0	Contracts	No. Although this BMP does not result in a direct reduction of pollutants, requiring contractors to comply with County stormwater regulations will decrease the potential of pollutants in stormwater.

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (see Example 3 in instructions):

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
Promote Earth-Kind Landscaping	1 demonstration garden	Met goal, the demonstration garden was maintained by Collin County and the local Master Gardeners.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
Storm Water Web Site	1 Screen shot of stormwater web pages	Met goal.
Storm Water Brochures	Distribute at least 400 copies of brochures with permit applications Download and begin distributing AgriLife Extension's Stormwater Management brochure on website	Exceeded goal, distributed 7,215 copies of brochures with new OSSF permit applications, development permit applications, pool construction permit applications, culvert permit applications and pet adoptions.
NCTCOG Committee Participation	3 sign-in sheets	Met goal, attended 4 committee meetings.
Collin County Adventure Camp	Educate at least 4000 students	Exceeded goal, educated 11,889 students.
Stream Clean Up Projects	At least 1 clean up event	Goal not accomplished. There were no stream clean-up events during 2022 due to staff shortage. The County will coordinate a stream clean-up to target specific sites for 2023.
Storm Drain System Outfall Mapping	1 Updated outfall map	Met goal, no new outfalls were identified in 2022. Maintained updated outfall map.
Visual Monitoring of Outfalls	1 Outfall monitoring map, Visual screening of at least 25% of outfalls	Exceeded goal, visually screened 100% of all outfalls (14 outfalls).
Illicit Discharge Investigations	Investigate 100% of illicit discharges reported	Met goal, 14 illicit discharges were observed and reported to the County via the hotline.
Reduce Illegal Dumping	1 Map of known dump sites Investigate 100% of illegal dumping complaints	Met goal, 325 reports of illegal dumping during reporting period. 1 updated map produced and 100% of illegal dumping complaints (325) were investigated.
Promote Used Oil Recycling	1 Web page screen shot	Met goal, 1 web page maintained.
Hazardous Material Spill Response	Respond to 100% of HAZMAT calls in County jurisdiction	Met goal, no calls were received regarding hazardous material spills within the County.
Reduce Failing Septic Systems	Inspect 100% of new septic systems Inspect 100% of septic complaints	Met goal, inspected 100% of new OSSFs (1,266). Inspected 100% of reports on malfunctioning systems (34).
Illicit Discharge Training	1 Training session	Goal not accomplished. No additional new employees were hired, therefore training session not necessitated.
Proper Pet Waste Disposal	1 meeting with Parks Dept.	Met goal. Held meeting with staff from Myers Park.
Erosion Control Plan Review	Maintain list of 100% of construction NOIs/CSNs submitted Review 100% of ESC plans	Met goal, maintained list of 100% of CSNs and NOIs submitted to County (55), reviewed 100% of erosion control plans submitted.
Construction Inspection	Inspect 100% of construction sites in jurisdiction	Met goal, inspected 100% of County roadway construction sites in jurisdiction. Also, all active (16) residential construction sites inspected by either the County or Design Engineer.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
Information Submitted by the Public	Investigate 100% of public complaints	Met goal, investigated 100% (32) drainage complaints received from the public.
Long Term Operation and Maintenance of BMPs	1 BMP map Inspect each BMP 2 times per year	Met goal, no BMPs were identified that were not maintained by other entities. Post construction BMPs such as detention ponds in residential subdivisions are being maintained by HOAs or the private land owner whose lot it resides on. There are also detention ponds on some commercial sites that are being maintained by the business owner. If the County receives a complaint regarding any of these ponds, they respond and require mitigation. No BMPs required inspection or maintenance.
Storm Water Pollution Prevention Training/ Facility Specific SOP Manual	1 training per year Attendee list Updated SOP Manual	Goal not accomplished. A stormwater inspector successfully completed stormwater permit compliance training on November 17 th , 2022. No annual training for designated employees was performed by the County. No updates to the SOP manual were necessary.
Storm Sewer System Cleaning / ROW Mowing	At least 10,000 man-hours of maintenance activities	Exceeded goal, 21,303 man-hours were expended on ROW maintenance activities.
Erosion Control during Road and Bridge Maintenance and Construction	Expend at least 500 man-hours per year on erosion control activities	Did not meet goal, 457 man-hours were expended on erosion control activities. The goal will need to be reduced to 400 man hours due to staff availability. Will submit an NOC for 2023.
Metal Recycling	Recycle at least 80,000 pounds of metal per year	Did not meet goal, 69,640 pounds of metal were recycled. Will submit an NOC for 2023.
Used Tires Recycling	Recycle at least 400 used tires per year	Exceeded goal, recycled 1,095 tires (937 passenger tires, 158 truck tires).
Used Oil Recycling	Recycle at least 1,000 gallons of waste oil per year	Exceeded goal, recycled 2,080 gallons of used oil.
Use of Licensed Applicators for Herbicides	At least 3 staff with applicator license	Did not meet goal, 2 staff members attended training to renew their Noncommercial Political Pesticide Applicator License. The County reassessed and will reduce the number of licensed applicators to 2 staff members to meet the County's overall stormwater goal and the MEP standard . Will submit an NOC for 2023
Spill Prevention Training	1 training per year Attendee list	Met goal. Conducted one training for 20 staff members.
Vehicle Maintenance	At least 10 inspection reports per year Clean out, as needed, at least once per permit term	Exceeded goal, inspected monthly (13 times) during the reporting period. Cleanout was conducted once on 4/11/22.

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
Vehicle Washing	At least 10 inspection reports per year Clean out, as needed, at least once per permit term	Exceeded goal, inspected monthly (12 times) during the reporting period. Cleanout was conducted once on 4/11/22.
Aggregate Stockpiles	4 inspection reports per year for each stockpile site	Met goal, inspected 4 sites quarterly (4 times) during the reporting period.
Vehicle Fueling	12 leak detection reports per site per year	Met goal, performed 12 (monthly) leak detection reports at two sites with vehicle fueling tanks during the reporting period.
County Facilities and Control Inventory	1 Updated GIS map	Met goal, 1 updated map of County facilities.
County Operation and Maintenance Activities	1 assessment results	Met goal, performed 1 annual assessment of O&M activities.
Contractor Oversight	Enforce 100% of contracts	Met goal, no contracts were initiated in 2022 that necessitated contractors to comply with all of the stormwater pollution prevention measures.

C. Stormwater Data Summary

Provide a summary of all information used, including any lab results (if sampling was conducted) to assess the success of the SWMP at reducing the discharge of pollutants to the MEP. For example, did the MS4 conduct visual inspections, clean the inlets, look for illicit discharge, clean streets, look for flow during dry weather, etc.?

During 2022 permit year,

- 325 reports of illegal dumping were received by the County Sheriff.
- 14 outfalls were visually monitored. No illicit discharges were observed during visual outfall monitoring.
- 14 illicit discharge complaints were received on the hotline and investigated.
- 21,303 man-hours spent on storm system cleaning.
- 457 man-hours spent on erosion control activities.
- 69,640 pounds of metal recycled.
- 1,095 used tires recycled.
- 2,080 gallons of used motor oil recycled.
- 34 investigations of potentially failing OSSFs based on public complaints.
- 32 complaints of illegal construction activities were investigated by Development Services.
- Construction inspections were conducted on 100% of County roadway projects.

- Inspection of all active (16) residential development projects in jurisdiction by County (11) or Design Engineer (5).
- No hazardous material spill calls were made in 2022.

D. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly-identified impaired waters below by including the name of the water body and the cause of impairment.

Within the past calendar year (2022), a new 303(d) list has been approved by EPA.

The 2022 Texas 303(d) List was approved for submission by the TCEQ on June 1, 2022. The Environmental Protection Agency approved the 2022 Texas 303(d) List on July 7, 2022. The following information was compiled from the 2022 EPA-approved 303(d) list and the Texas Integrated Report of Surface Water Quality. This information was included in the previous annual report for calendar year 2021 and is reproduced here for information purposes.

Segment #	Segment Name	Segment Description	Previous Listing on 303(d) List / Cause	New Listing in 2022 approved 303(d) List / Cause
0820	Lake Ray Hubbard	From Rockwall-Forney Dam in Kaufman County to Lavon Dam in Collin County, up to normal pool elevation of 435.5 feet (impounds East Fork Trinity River).	No	No
0820A	Cottonwood Creek	Perennial stream from the confluence with Rowlett Creek up to SH 5 (near Greenville Road).	No	No
0820B	Rowlett Creek	Perennial stream from the normal pool elevation of 435.5 feet of Lake Ray Hubbard to the Parker Road crossing.	Yes/ Bacteria in water	Yes
0820C	Muddy Creek	From the confluence with Lake Ray Hubbard, in Dallas County, to the headwaters east of Allen, in Collin County.	No	No
0821	Lake Lavon	From Lavon Dam in Collin County, up to normal pool elevation of 492 feet (impounds East Fork Trinity River).	No	No
0821C	Wilson Creek	From the confluence with Lake Lavon in Collin County, up to West FM 455, just east of Celina, Collin Co., TX.	Yes/ Bacteria in water	Yes/ Bacteria in water

Segment #	Segment Name	Segment Description	Previous Listing on 303(d) List / Cause	New Listing in 2022 approved 303(d) List / Cause
0821D	East Fork Trinity River above Lake Lavon	A portion of the East Fork Trinity River extending from the confluence with Lake Lavon (segment 0821) to the upper end of the water body in Collin County, Texas.	Yes/ Bacteria in water	Yes/ Bacteria in water
0823D	Doe Branch	From the confluence with Lake Lewisville/Elm Fork Trinity in Denton County to the headwaters northeast of Celina, Collin Co., TX.	No	No
0827A	White Rock Creek above White Rock Lake	Perennial stream from the headwaters of White Rock Lake upstream to the confluence with McKamy Branch east of the City of Addison.	Yes/ Bacteria in water	Yes/ Bacteria in water

2. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern.

No sampling has been conducted by Collin County. The primary pollutant of concern for segments receiving stormwater from Collin County's urbanized area is bacteria.

Collin County has included several BMPs targeting the reduction of bacteria in their SWMP including:

- Pet Waste Brochures
- Stream Clean Up Projects
- Reduce Illegal Dumping
- Reduce Failing Septic Systems
- Visual Monitoring of Outfalls
- Illicit Discharge Investigations
- Proper Pet Waste Disposal

Description of bacteria-focused BMP	Comments/Discussion
Storm Water Brochures (Pet Waste)	The new pet waste brochure was posted to the County's web site and hard copies were distributed with each pet adopt. A total of 1,932 pet adoptions were conducted in 2022. The pet waste brochure educates the public on the water quality impacts that pet waste has on area waterbodies and the benefits of proper disposal.
Stream Clean Up Projects	There were no stream clean-up events during 2022. The County will coordinate a stream clean-up to target specific sites for 2023.
Reduce Illegal Dumping	325 reports of illegal dumping were by the County Sheriff and subsequently cleaned up by Collin County Public Works crews. Cleanup of trash and other debris prevents potential sources of bacteria from reaching waterways.
Reduce Failing Septic Systems	34 investigations of potentially failing OSSFs were conducted by the County based on public complaints. Failing septic systems are a potential source of bacteria. By investigating and correcting failing septic systems, the County prevents bacteria from reaching waterways.
Visual Monitoring of Outfalls and Illicit Discharge Investigations	The County conducted visual monitoring of 14 outfalls. Although not specifically targeting bacteria, the detection and removal of illicit discharges will reduce potential sources of bacteria that could be present.
Proper Pet Waste Disposal	The County will consider placing pet waste stations in parks, where appropriate. Investigation of potential locations will be accomplished by surveying Parks Department staff that maintain the parks. A meeting was conducted with staff from Myers Park to discuss potential contamination from pet waste.

- Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL.

Not applicable. Part II.D.4(a) refers to impaired waterbodies with approved TMDLs. Collin County's regulated MS4 does not drain to an impaired waterbody with an approved TMDL. Collin County's regulated MS4 does not discharge directly to an impaired waterbody.

4. Report the benchmark identified by the MS4 and assessment activities:

Not applicable. Part II.D.4(a) refers to impaired waterbodies with approved TMDLs. Collin County's regulated MS4 does not drain to an impaired waterbody with an approved TMDL. Collin County's regulated MS4 does not discharge directly to an impaired waterbody.

5. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark:

Not applicable. Part II.D.4(a) refers to impaired waterbodies with approved TMDLs. Collin County's regulated MS4 does not drain to an impaired waterbody with an approved TMDL. Collin County's regulated MS4 does not discharge directly to an impaired waterbody.

6. If applicable, report on focused BMPs to address impairment for bacteria:

Not applicable. Part II.D.4(a) refers to impaired waterbodies with approved TMDLs. Collin County's regulated MS4 does not drain to an impaired waterbody with an approved TMDL. Collin County's regulated MS4 does not discharge directly to an impaired waterbody.

7. Assess the progress to determine BMP's effectiveness in achieving the benchmark.

Not applicable. Part II.D.4(a) refers to impaired waterbodies with approved TMDLs. Collin County's regulated MS4 does not drain to an impaired waterbody with an approved TMDL. Collin County's regulated MS4 does not discharge directly to an impaired waterbody.

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description /Comments
1	Promote Earth-Kind Landscaping	<ul style="list-style-type: none"> Continue to sponsor Earth-Kind Demonstration Gardens at Myers Park and Event Center Sponsor annual garden show 	<ul style="list-style-type: none"> 1 Demonstration Garden with rainwater harvesting and drip irrigation 1 Garden Show
1	Storm Water Web Site	<ul style="list-style-type: none"> Post annual report on website Maintain website links 	<ul style="list-style-type: none"> 1 Screen shot of stormwater web pages
1	Storm Water Brochures	<ul style="list-style-type: none"> Continue to distribute existing brochures with 100% of permit applications Download and begin distributing AgriLife Extension's septic tank maintenance brochure on website 	<ul style="list-style-type: none"> Distribute at least 400 copies of brochures with permit applications 1 septic tank brochure
1	NCTCOG Committee Participation	<ul style="list-style-type: none"> Attend at least 3 committee meetings of interest to County staff 	<ul style="list-style-type: none"> 3 sign-in sheets
1	Collin County Adventure Camp	<ul style="list-style-type: none"> Continue to offer educational activities related to environmental topics including stormwater pollution Track numbers of students and ISDs attending 	<ul style="list-style-type: none"> Educate at least 4000 students
1	Stream Clean Up Projects	<ul style="list-style-type: none"> Schedule and hold one cleanup event Track locations and amount of debris removed 	<ul style="list-style-type: none"> At least 1 clean up event
2	Storm Drain System Outfall Mapping	<ul style="list-style-type: none"> Update storm drain outfall map for areas of regulated UA 	<ul style="list-style-type: none"> 1 Updated outfall map
2	Visual Monitoring of Outfalls	<ul style="list-style-type: none"> Visual screening of identified outfalls in regulated UA Maintain tracking system/verify GIS map 	<ul style="list-style-type: none"> 1 Outfall monitoring map Visual screening for 100% of outfalls
2	Illicit Discharge Investigations	<ul style="list-style-type: none"> Investigate 100% of suspected illicit discharges reported Seek voluntary compliance or refer to adjacent MS4 or TCEQ 	<ul style="list-style-type: none"> Investigate 100% of illicit discharges reported
2	Reduce Illegal Dumping	<ul style="list-style-type: none"> Continue existing program to combat illegal dumping 	<ul style="list-style-type: none"> 1 Map of known dump sites Investigate 100% of illegal dumping complaints
2	Promote Used Oil Recycling	<ul style="list-style-type: none"> Promote used oil recycling through various businesses on web site 	<ul style="list-style-type: none"> 1 Web page screen shot
2	Hazardous Material Spill Response	<ul style="list-style-type: none"> Continue HAZMAT responsibilities in the County 	<ul style="list-style-type: none"> Respond to 100% of HAZMAT calls in County jurisdiction

MCM(s)	BMP	Stormwater Activity	Description /Comments
2	Reduce Failing Septic Systems	<ul style="list-style-type: none"> Continue OSSF inspection program 	<ul style="list-style-type: none"> Inspect 100% of new septic systems Inspect 100% of septic complaints
2	Illicit Discharge Training	<ul style="list-style-type: none"> Conduct 1 Illicit Discharge training 	<ul style="list-style-type: none"> 1 training session
2	Proper Pet Waste Disposal	<ul style="list-style-type: none"> Conduct survey of maintenance staff Conduct an assessment of potential sources and locations 	<ul style="list-style-type: none"> Survey of 75% of maintenance staff Identify at least 1 location for pet waste station
3	Erosion Control Plan Review	<ul style="list-style-type: none"> Verify and track 100% of NOIs/CSNs submitted to the County Review 100% of ESC plans outside of ETJ for commercial or residential building permits and enforce subdivision regulations 	<ul style="list-style-type: none"> Maintain list of 100% of construction NOIs/CSNs submitted Review 100% of ESC plans
3	Construction Inspection	<ul style="list-style-type: none"> Perform and track construction inspections 	<ul style="list-style-type: none"> Inspect 100% of construction sites in jurisdiction
3	Information Submitted by the Public	<ul style="list-style-type: none"> Promote reporting methods (email/phone) Receive and log public comments 	<ul style="list-style-type: none"> Investigate 100% of public complaints
4	Long Term Operation and Maintenance of BMPs	<ul style="list-style-type: none"> Maintain the map of permanent BMPs that require inspection and maintenance by the County Inspect semi-annually and maintain as needed 	<ul style="list-style-type: none"> 1 BMP map Inspect each BMP 2 times per year
5	Storm Water Pollution Prevention Training/ Facility Specific SOP Manual	<ul style="list-style-type: none"> Review and update SOP manual and curriculum, if needed Hold 1 storm water training session for designated employees 	<ul style="list-style-type: none"> 1 training per year Attendee list Updated SOP Manual
5	Storm Sewer System Cleaning / ROW Mowing	<ul style="list-style-type: none"> Continue inspection, cleaning and maintenance Update maintenance/cleaning log 	<ul style="list-style-type: none"> At least 10,000 man-hours of maintenance activities
5	Erosion Control during Road and Bridge Maintenance and Construction	<ul style="list-style-type: none"> Maintain work order system and erosion & sediment control BMPs during activities as required by the TPDES CGP 	<ul style="list-style-type: none"> Expend at least 400 man-hours per year on erosion control activities (reduced for 2023 with NOC)
5	Metal Recycling	<ul style="list-style-type: none"> Continue recycling and storage procedures 	<ul style="list-style-type: none"> Recycle at least 50,000 pounds of metal per year (reduced for 2023 with NOC)
5	Used Tires Recycling	<ul style="list-style-type: none"> Continue to recycle used tires 	<ul style="list-style-type: none"> Recycle at least 400 used tires per year
5	Used Oil Recycling	<ul style="list-style-type: none"> Continue used oil collection and recycling program at the Public Works Service Center 	<ul style="list-style-type: none"> Recycle at least 1,000 gallons of waste oil per year

MCM(s)	BMP	Stormwater Activity	Description /Comments
5	Use of Licensed Applicators for Herbicides	<ul style="list-style-type: none"> • Annual training for applicators • Document training and copies of licenses 	<ul style="list-style-type: none"> • At least 2 staff with applicator license (reduced for 2023 with NOC)
5	Spill Prevention Training	<ul style="list-style-type: none"> • Continue annual spill prevention training of County staff 	<ul style="list-style-type: none"> • 1 training per year • Attendee list
5	Vehicle Maintenance	<ul style="list-style-type: none"> • Inspect oil/sand separator at least 10 times per year • Clean oil/sand separator as need but at least once per permit term 	<ul style="list-style-type: none"> • At least 10 inspection reports per year • 1 clean out per permit term
5	Vehicle Washing	<ul style="list-style-type: none"> • Inspect grit trap at least 10 times per year • Maintain grit trap as need but at least once per permit term 	<ul style="list-style-type: none"> • At least 10 inspection reports per year • 1 clean out per permit term
5	Aggregate Stockpiles	<ul style="list-style-type: none"> • Inspect quarterly and maintain erosion control BMPs around stockpile sites 	<ul style="list-style-type: none"> • 4 inspection reports per year for each stockpile site
5	Vehicle Fueling	<ul style="list-style-type: none"> • Maintain compliance with SPCC plan 	<ul style="list-style-type: none"> • 12 leak detection reports per site per year
5	County Facilities and Control Inventory	<ul style="list-style-type: none"> • Update GIS map annually 	<ul style="list-style-type: none"> • 1 Updated GIS map
5	County Operation and Maintenance Activities	<ul style="list-style-type: none"> • Annual Assessment of O&M activities 	<ul style="list-style-type: none"> • 1 assessment results
5	Contractor Oversight	<ul style="list-style-type: none"> • Track number of contracts with stormwater oversight provisions 	<ul style="list-style-type: none"> • Enforce 100% of contracts

F. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year.

☒ Yes ☐ No

2. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.

☒ Yes ☐ No

If "Yes," report on changes made to measurable goals and BMPs:

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)
5	GH-3 – Erosion Control During Road and Bridge Maintenance and Construction	The County is dependent on available staff to perform erosion control activities, which varies year to year. A NOC is being submitted to reduce the number of man hours from 500 hours to 400 hours per year. The NOC is attached.
5	GH-4 – Metal Recycling	A NOC is being submitted to reduce the number of pounds of recycled metal from 80,000 pounds to 50,000 pounds per year. The NOC is attached.
5	GH-7 – Used of Licensed Applicators for Herbicides	The County reassessed the number of licensed applicators needed to meet the County's overall stormwater goal and the MEP standard. A NOC is being submitted to reduce the number of licensed applicators from 3 staff members to 2 staff members. The NOC is attached.

Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible, and why the replacement BMP is expected to achieve the goals of the original BMP.

3. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land, etc.).

None.

G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans.

No additional BMPs are necessary for Collin County at this time. No TMDLs or I-Plans have been approved for waterbodies in Collin County's regulated MS4 area.

H. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?

☒ Yes ☐ No

If "Yes," provide the name(s) of other entities and an explanation of their responsibilities (add more spaces or pages if needed).

Name and Explanation:

Texas AgriLife Extension Agency through the Collin County Master Gardeners maintain the Earth-Kind Demonstration Gardens at Myers Park and Event Center. The County provides the land for the demonstration gardens. The cooperative agreement between the County and AgriLife was approved by the Collin County Commissioners on February 2, 2009.

- 2.a. Is the permittee part of a group sharing a SWMP with other entities?

☐ Yes ☒ No

- 2.b. If "yes," is this a system-wide annual report including information for all permittees?

☐ Yes ☐ No

If "Yes," list all associated authorization numbers, permittee names, and SWMP responsibilities of each member (add additional spaces or pages if needed):

Authorization Number: _____ Permittee: _____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Large and Small Site Notices submitted by construction site operators):

55

- 2a. Does the permittee utilize the optional seventh MCM related to construction?

☐ Yes ☒ No

- 2b. If "yes," then provide the following information for this permit year:

The number of municipal construction activities authorized under this general permit	
The total number of acres disturbed for municipal construction projects	

Note: Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.

J. Certification

If this is this a system-wide annual report including information for all permittees, each permittee shall sign and certify the annual report in accordance with 30 TAC §305.128 (relating to Signatories to Reports).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (printed): Judge Chris Hill Title: County Judge

Signature: _____ Date: _____

Name of MS4: Collin County MS4

If you have questions on how to fill out this form or about the Stormwater Permitting program, please contact us at 512-239-4671.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

1.0 PURPOSE OF PROGRAM

This Storm Water Management Program (SWMP) was developed for Collin County to reduce the discharge of pollutants in storm water runoff to the maximum extent practicable (MEP) in its Municipal Separate Storm Sewer System (MS4). This Program was developed with coordination between the County and the affected stakeholders to customize a program for Collin County that meets state and federal program requirements and also utilizes current activities, addresses issues that are important to the county, and is economically feasible.

2.0 STATUS OF PERMIT COVERAGE

Collin County submitted its original NOI and SWMP to the Texas Commission on Environmental Quality (TCEQ) on February 8, 2008 for coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit for Storm Water Discharges from Small MS4s, General Permit No. TXR040000.

The original general permit expired August 12, 2012. A notice of intent to renew the general permit was published by TCEQ in the Texas Register on April 13, 2012, to allow administrative continuance of coverage to regulated Phase II MS4 entities under the 2007 MS4 general permit.

The Small MS4 General Permit, TPDES Permit No. TXR040000, was reissued on December 13, 2013. All regulated entities had 180 days to apply for coverage or a waiver under the general permit. The deadline to apply was June 11, 2014. Collin County submitted a Notice of Intent (NOI) and a revised Stormwater Management Program (SWMP) on June 11, 2014.

The most recently revised TPDES Small MS4 General Permit became effective on January 24, 2019 and the deadline for submission of the NOI and SWMP was July 23, 2019. An NOI and SWMP was submitted to TCEQ prior to the due date. The SWMP was declared administratively complete on September 4, 2019. Several requests for information/changes were received from TCEQ and responses were submitted by the County. The SWMP was declared technically complete on February 21, 2020. The SWMP is awaiting public notice. Approval of the SWMP is pending.

Upon notification from the TCEQ Office of Chief Clerk, the County will comply with public notice requirements by publishing notice in a newspaper of general circulation in Collin County. The Dallas Morning News is the newspaper of largest circulation. The notice will include the executive director's preliminary determination on the NOI and SWMP. The notice must also include the following information:

- The legal name of the MS4 operator;
- Identify whether the NOI is for a new authorization or a renewal of an existing authorization;
- The County's address;
- A brief summary of the information included in the NOI (general location and description of classified receiving waters that receive discharges from the small MS4);
- The location and mailing address for the public to provide comments to TCEQ;
- The public location where copies of the NOI and SWMP, as well as the executive director's general permit and fact sheet, may be reviewed; and
- If required by the executive director, the date, time, and location of the public meeting.

The public comment period begins on the first date that the notice is published and lasts for at least 30 days. If TCEQ determines that there is a significant public interest, the County will be instructed to publish a notice of public meeting and hold a public meeting in Collin County. The notice of public meeting must be published at least 30 days prior to the meeting. If a public meeting is held, then the public comment period ends at the closing of the public meeting. The County is required to file an affidavit of publication within 60 days of receiving written instructions from the Chief Clerk. Although the TCEQ will facilitate the public meeting, the County will be required to present to the public the contents of the NOI and SWMP and provide maps, data, and a sign-in sheet for the public meeting.

3.0 ANNUAL REPORTING REQUIREMENTS

A concise annual report must be submitted by Collin County to the Executive Director of TCEQ within 90 days of the end of each reporting year during the permit term. The annual report must be prepared and submitted regardless of whether the County's SWMP and NOI have been approved by TCEQ. The permit term began when the TPDES Small MS4 General Permit was reissued (January 24, 2019). The reporting years and deadlines for annual reports are specified below.

The County has chosen calendar year as their reporting year for their MS4 permit. Annual reports are due 90 days following the end of their reporting year. Therefore, annual reports are due to TCEQ on March 31st of each year from 2020 through 2024.

Year	Reporting Cycle	Annual Report Due Date
1	01/24/2019 – 12/31/2019	03/31/2020
2	01/01/2020 – 12/31/2020	03/31/2021
3	01/01/2021 – 12/31/2021	03/31/2022
4	01/01/2022 – 12/31/2022	03/31/2023
5	01/01/2023 – 12/31/2023	03/31/2024

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:

- The status of the compliance with permit conditions, an assessment of the appropriateness of the identified BMPs, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals;
- A summary of the results of information collected and analyzed, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP;
- If applicable, 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 the stormwater activities the MS4 operator plans to undertake during the next reporting year;
- Proposed changes to the SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements;
- Description and schedule for implementation of additional BMP's that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans. For waters that are listed as impaired after discharge authorization pursuant to Part II.D.4, include a list of such waters and the pollutant(s) causing the impairment, and a summary of any actions taken to comply with the requirements of Part II.D.4.b.;
- Notice that the MS4 operator is relying on another government entity to satisfy some of its permit obligations (if applicable);
- (h) The number of construction activities where the small MS4 is the operator and authorized under the 7th optional MCM, including the total number of acres disturbed; 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 7th MCM.


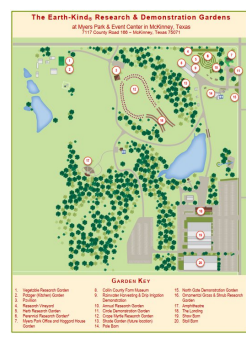
4.0 BMP IMPLEMENTATION STATUS

A Storm Water Management Program (SWMP) was developed for Collin County for coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit for Storm Water Discharges from Small MS4s. The current permit duration is from 01/24/2019 to 12/31/2023.

The purpose of the SWMP developed for Collin County is to reduce the discharge of pollutants in storm water runoff to the maximum extent practicable (MEP) in its Municipal Separate Storm Sewer System (MS4). This program was developed with coordination between the County and the affected stakeholders to customize a program for Collin County that meets state and federal program requirements and also utilizes current activities, addresses issues that are important to the County, and is economically feasible. As documented in this annual report, Collin County has implemented its SWMP effectively during the reporting period. This annual report covers activities for the 2022 calendar year from January 1, 2022, through December 31, 2022.


The annual report is organized by Minimum Control Measures with one-page summaries of the 2022 activities. Documentation that the County has achieved the measurable goals is provided on the enclosed thumb drive.

A Notice of Change (NOC) is warranted for three of the BMPs and is included in Appendix A.

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	PROMOTE EARTH-KIND LANDSCAPING		PE/PI-1
Responsible Authority *Engineering AgriLife	BMP DESCRIPTION <p>On the February 2, 2009 Collin County Commissioners Court approved a cooperative agreement with AgriLife Extension to conduct research and demonstration projects at Collin County's Myers Park and Event Center. The projects focus on Environmental Stewardship and Natural Resources Conservation within the landscape.</p> <p>The project evaluates plant material for the landscape to determine which plants to recommend to homeowners and landscape professionals. The research identifies plants that do not require pesticides or chemical fertilizers and require little to no supplemental irrigation. The Earth-Kind Environmental Stewardship Program's objective is to combine the best of organic and traditional gardening and landscaping principles to create a horticultural system based on real world effectiveness and environmental responsibility.</p> <p>The Earth-Kind Demonstration Project is provided through a partnership between the Texas AgriLife Extension Service and Collin County's Myers Park and Event Center. A portion of the project focuses on demonstrating innovative ways to reduce the effects of storm water from parking areas. The Storm Water Management Demonstration Project consists of a Rain Garden and porous pavement on the edge of the large parking area at Myers Park. The rain garden and porous pavement are proven technologies for managing storm water runoff, reducing contaminants from entering our water ways, and preventing erosion.</p>		
			
	Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date:		
	Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Section of Population Addressed: Residents, Visitors			
ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue to sponsor the Earth-Kind Demonstration Garden at Myers Park Sponsor an annual Garden Show 			
PROPOSED CHANGE <ul style="list-style-type: none"> None 			
PROGRESS DURING CURRENT REPORTING PERIOD The Earth-Kind demonstration gardens were maintained at Myers Park and Event Center.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Continue to sponsor the Earth-Kind Demonstration Garden at Myers Park 	<ul style="list-style-type: none"> 1 demonstration garden 	12/31/22	


Documentation Attached ☒

List of Attachments: Screen shot of County webpage advertising demonstration garden


	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	STORM WATER WEB SITE		PE/PI-2
Responsible Authority * Information Technology Public Information Engineering	BMP DESCRIPTION Collin County's website is nationally recognized and was named among the top county government portals in 2007. The County has developed a web page for their existing web site that specifically addresses storm water related issues. The Storm Water Web Site promotes and advertises upcoming Public Involvement events such as the Collin County Adventure Camp (PE/PI-5), Stormwater Forum Meetings (PE/PI-6), and Stream Clean-up Projects (PE/PI-7) through an on-line Community Events Calendar. The web site also publicizes illicit discharge BMPs such as Used Oil Recycling (ID-6) and Recycling Centers (ID-7). The web site has also provided NCTCOG wet weather monitoring results, illegal dumping information, subdivision regulations, and links to both the EPA and TCEQ storm water websites for additional information on NPDES/TPDES regulations.		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	Section of Population Addressed: Residents, Visitors, Public Service Employees, Businesses, Commercial and Industrial Facilities, Construction Site Personnel.		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Update web content to include AgriLife Septic Tank Maintenance brochure • Post annual report on website • Maintain website links 		
PROPOSED CHANGE <ul style="list-style-type: none"> • None 			
PROGRESS DURING CURRENT REPORTING PERIOD The County continually updates the storm water website with links to related web pages and content (http://www.collincountytx.gov/engineering/stormwater/Pages/default.aspx). Storm water related links are provided for online access to Collin County's TPDES Small MS4 General Permit and SWMP, Annual Reports, NCTCOG wet weather monitoring results, illegal dumping information, and subdivision regulations. Links are also provided to the EPA and TCEQ storm water websites for additional information on NPDES/TPDES regulations. The website promotes the County's Storm Water Hotline (Report-A-Polluter) and informs the public of what to report and how to report storm water violations. Links are provided to 5 brochures that the County produces.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Update web content to include AgriLIFE Stormwater Brochure • Post annual report on website • Maintain website links 	<ul style="list-style-type: none"> • 1 new brochure downloaded • 1 Screen shot of stormwater web pages 	12/31/22	

Documentation Attached ☒

List of Attachments: Web Page Screen shot

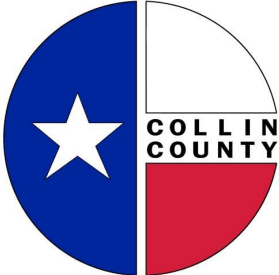
	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	STORM WATER BROCHURES		PE/PI-3
Responsible Authority * Engineering	BMP DESCRIPTION <p>These are multi-page printed materials used to convey detailed information on specific topics related to storm water management. The brochure, "The Dirty Dozen," has been added to all permit packets distributed by Collin County Development Services. Brochures that educate contractors and builders on construction SWPPPs and inform them of TCEQ construction storm water requirements are distributed as part of the all commercial building packets. The County will continue to distribute existing brochures. In Year 2, the County will develop a new brochure on the proper disposal of pet waste. Hardcopies of the brochures will be distributed by the Collin County Animal Shelter with adoption papers in order to encourage proper disposal of pet wastes. During Year 3, the County will utilize the AgriLife educational pamphlet on Stormwater Management and distribute it in digital format on their website. During Year 4, the County will distribute AgriLife brochures on proper septic tank maintenance with OSSF permits and in PDF format on the County's Storm Water Web Page (PE/PI-2). Every applicant seeking an OSSF permit, a development permit, a pool permit, or a Commercial Fire Code permit from Collin County receives digital or paper copies of the brochures.</p>		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	Section of Population Addressed: Residents, Visitors, Public Service Employees, Businesses, Commercial and Industrial Facilities, Construction Site Personnel.		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Continue to distribute existing brochures with 100% of permit applications • Distribute AgriLife Extension's Stormwater Management brochure 		
	PROPOSED CHANGE <ul style="list-style-type: none"> • None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County continues to distribute the construction storm water pollution prevention plan (SWPPP) brochure that advertises Collin County's Storm Water Website with other helpful links to resources for developing a construction SWPPP and tips for preventing storm water pollution at construction sites as part of the commercial building permit application.</p> <p>The County continues to distribute the brochure entitled "The Dirty Dozen" with 12 tips to prevent storm water pollution with all permit packets distributed from Collin County Development Services. The links to Dirty Dozen and Construction Activities brochures https://www.collincountytx.gov/development_services/Pages/development_forms.aspx. The County also distributes a brochure on illegal dumping on their website, http://www.collincountytx.gov/public_works/Pages/illegal_dumping.aspx. A septic tank maintenance brochure that was scheduled for 2022 was implemented early and may be found at https://www.collincountytx.gov/development_services/Documents/ESC-015%20Septic%20Maintenance.pdf</p> <p>Existing brochures are distributed with 100% of permit applications. Brochures were distributed with 1,266 new OSSF permit applications, 3,498 development permits, 301 pool construction permits, 218 culvert permits and 1,932 pet adoptions submitted in 2022 for a total of 7,215.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Continue to distribute existing brochures with 100% of permit applications 	<ul style="list-style-type: none"> • Distribute at least 400 copies of brochures with permit applications • 1 new septic tank maintenance 	12/31/22	

Documentation Attached ☒ List of Attachments: Copies of brochures and screen shots of web page links


	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	NCTCOG COMMITTEE PARTICIPATION		PE/PI-4
Responsible Authority * Engineering	BMP DESCRIPTION The NCTCOG has assembled several committees to address issues affecting the DFW service area. The County has participated in several committees in the past including the Regional Stormwater Management Coordinating Council, Public Education Task Force, and the Public Works Council. Collin County will continue to participate in NCTCOG meetings and regionally developed initiatives (RDIs) for public education.		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	The Regional Stormwater Management Coordinating Council (RSWMCC) is composed of 22 representatives from participating entities. Collin County is a representative for the East Fork Watershed. The Public Education Task Force is a subcommittee of the RSWMCC and was formed to develop and distribute educational materials and to conduct community outreach activities to inform the public within the MS4 service area. The Public Works Council (PWC) provides expertise and support to the NCTCOG on a wide range of local public works issues. The PWC provides continuing advice regarding the Public Works Construction Standards and comprehensive and consistent storm water management through iSWM.		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Section of Population Addressed: Residents, Visitors, Public Service Employees, Businesses, Commercial and Industrial Facilities, and Construction Site Personnel.		
	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Attend at least 3 committee meetings of interest to County staff 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD County officials attended 4 NCTCOG committee meetings in 2022. A Regional Storm Water Management Coordinating Council (RSWMCC) meetings on February 23 rd and May 18 th , as well as Public Works Council meeting on May 19 th and August 18 th , 2022 were attended. Tracy Homfeld from Collin County Engineering Department was reappointed to represent the East Fork Trinity River Watershed on the RSWMCC for the FY2022 term beginning on October 1, 2021. The agendas and sign-in sheets for the meetings are attached.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Attend at least 3 committee meetings of interest to County staff 	<ul style="list-style-type: none"> At least 3 sign-in sheets 	12/31/22	

Documentation Attached ☒

List of Attachments: Summaries and sign-in sheets

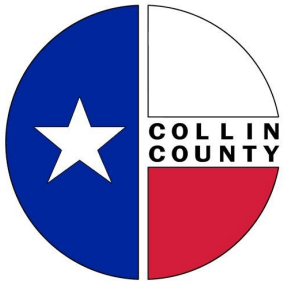
	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022	YEAR 2022
	COLLIN COUNTY ADVENTURE CAMP	PE/PI-5
Responsible Authority * Engineering Collin County Adventure Camp	BMP DESCRIPTION In 1995, representatives of the Collin County Commissioner's Court, the YMCA, the Heard Museum, and school districts initiated a plan to construct, and operate a camp to provide life enhancing outdoor educational and recreational experiences for Collin County children and families. County bond funds were used to acquire land and construct camp facilities. The Camp is operated by the Metropolitan Dallas YMCA. The Camp opened in 2006 and its first Open House "Community Day" was attended by 500 community residents. By the Fall of 2006, over 7,000 students had attended Collin County YMCA Adventure Camp for outdoor education, and over 3,000 family and community guests attended for conferences and retreats. The Camp offers several lesson plans that are well suited for storm water education including "Taming the Land" and "Learning the Lake". In the Water Quality Lab students assess the quality of the lake water through biological sampling (using pond nets to find aquatic life), physical tests (using a Secchi disc and thermometer), and chemical tests (for dissolved oxygen and carbon dioxide).	
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	Section of Population Addressed: Residents, Visitors	
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Continue to offer educational activities related to environmental topics including stormwater pollution • Evaluate the use of other TEKS aligned programs such as AgriLife Extension's Water Education Program, "Investigating Water" to supplement existing programs. • Track numbers of students and ISDs attending 	
	PROPOSED CHANGE None	
PROGRESS DURING CURRENT REPORTING PERIOD A total of 11,889 students and 1,685 adults participated in the Camp from February through December 2022.		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Continue to offer educational activities related to environmental topics including stormwater pollution • Evaluate the use of other TEKS aligned programs • Track numbers of students and ISDs attending 	<ul style="list-style-type: none"> • Educate at least 4000 students 	12/31/22

Documentation Attached ☒ List of Attachments: Spreadsheet from Collin County Adventure Camp Website screenshot

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	STREAM CLEANUP PROJECTS		PE/PI-6
Responsible Authority * Road and Bridge	BMP DESCRIPTION Collin County Road and Bridge Department coordinates stream cleanup projects. Specific sites are selected based on illegal dumping reports/complaints and needs submitted by the Sheriff's office. Access also guides site selection for convenience of the volunteers and to minimize permission requirements. One cleanup event is held each year. The County tracks the locations and the amount of debris removed from each location.		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	Section of Population Addressed: Residents, Public Service Employees, Businesses		
Measurable Goal Successfully Implemented? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Schedule and hold one cleanup event Track locations and amount of debris removed 		
PROPOSED CHANGE <ul style="list-style-type: none"> None 			
PROGRESS DURING CURRENT REPORTING PERIOD There were no stream clean-up events during 2022 due to labor shortage. The County will coordinate a stream clean-up to target specific sites for 2023.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Schedule and hold one cleanup event Track locations and amount of debris removed 	<ul style="list-style-type: none"> At least 1 clean up event 	12/31/2022	


Documentation Attached ☐

List of Attachments:

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	STORM DRAIN SYSTEM OUTFALL MAPPING		ID-1
Responsible Authority * Engineering GIS / Rural Addressing		BMP DESCRIPTION To facilitate their illicit discharge detection and elimination program, Collin County has developed a storm drain system outfall map, which identifies the location of all outfalls and the names and locations of the waters of the U.S. to which they drain. The County will update outfall/storm system maps based on the 2010 census during the next permit cycle. The GIS mapping analysis will be performed to identify outfalls from roadside ditches along roads where they enter Waters of the U.S. This analysis will focus on the County's regulated UA and will intersect the county road GIS shapefile with the stream shapefile to identify outfalls. There will generally be 4 outfalls at each bridge and/or culverts under county roads where the waterbody is classified as a Waters of the U.S. If the regulated UA is only located on one side of the county road, there will only be 2 regulated outfalls. Supplemental information on outfall locations is derived from visual inspections along streambanks. Precise locations of outfalls are determined through the inspection of aerial photographs and field verification.	
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____		ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Maintain outfall map and updated as needed based on visual screening of outfalls (ID-2) • 	
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		PROPOSED CHANGE <ul style="list-style-type: none"> • None 	
PROGRESS DURING CURRENT REPORTING PERIOD Within unincorporated Collin County, the storm drain system consists exclusively of roadside ditches. The current GIS database characterizes the storm drain system that Collin County is responsible for maintaining. This GIS database is updated regularly based on new roads and culverts installed in unincorporated Collin County. An outfall map for the UA was developed in 2021. The map identifies 14 outfalls in Collin County urbanized area. No new outfalls were identified in 2022. The current updated UA outfall map is attached.			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Update storm drain outfall map for new areas of regulated UA 		<ul style="list-style-type: none"> • 1 Updated outfall map 	12/31/22


Documentation Attached ☒

List of Attachments: UA Outfall Map

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	VISUAL MONITORING OF OUTFALLS		ID-2
Responsible Authority * Public Works	BMP DESCRIPTION Collin County staff performs visual monitoring in the Urbanized Areas during dry weather periods to make visual inspections for the presence of certain pollutants. If the County finds that the contamination is coming from an adjacent MS4, the County will refer the inspection results to the storm water coordinator for that municipality. The County GIS staff performed a mapping analysis to identify outfalls in Collin County's UA areas during the first permit term. The outfall map will be updated for new outfalls in the regulated UA based on the 2010 Census. The County will visually inspect all identified outfalls once per permit term.		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____			
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Visual screening of at least 25% of outfalls • Maintain tracking system/verify GIS map 		
	PROPOSED CHANGE <ul style="list-style-type: none"> • None 		
PROGRESS DURING CURRENT REPORTING PERIOD The County used the Outfall Reconnaissance Inventory / Sample Collection Field Sheets to perform visual monitoring of outfalls in the Collin County UA on 11/08/2022, 12/02/2022, and 12/16/2022. All 14 outfalls identified (see ID-1) were visually screened during 2022. Field sheets and photos are attached. No illicit discharge was observed at any of the 14 outfalls.			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Visual screening of identified outfalls in regulated UA • Maintain tracking system/verify GIS map 		<ul style="list-style-type: none"> • Visual screening for at least 25% of outfalls • 1 Outfall monitoring map 	12/02/22

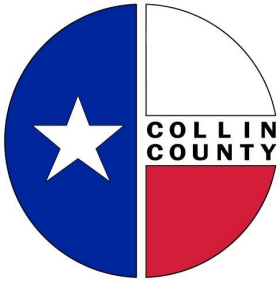
Documentation Attached ☒

List of Attachments: Outfall Reconnaissance Inventory / Sample Collection Field Sheets for each outfall, photos

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	ILLICIT DISCHARGE INVESTIGATIONS		ID-3
Responsible Authority * Public Works	BMP DESCRIPTION <p>The County lacks the legal authority to prohibit illicit discharges and illegal connections in the unincorporated UA. The County uses Visual Monitoring of Outfalls (ID-2) to detect illicit discharges. As the County does not have “right-of-entry” typically granted by ordinances, the County seeks the voluntary cooperation of suspected dischargers. The County will visually track illicit discharges to attempt to identify the source. If illicit connections or 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.</p>		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Investigate 100% of suspected illicit discharges reported Seek voluntary compliance or refer to adjacent MS4 or TCEQ 		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County established a local number (McKinney) and a Metro number as well as an email link that the community can use to provide comments to the Engineering Department concerning illicit discharges within the MS4. The hotline is advertised on the County’s web site. Fourteen (14) reports of illicit discharge were received on the hotline during 2022. A summary of the calls is provided in an Excel spreadsheet. The spreadsheet documents the complaint and resolution for each call.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Investigate 100% of suspected illicit discharges reported Seek voluntary compliance or refer to adjacent MS4 or TCEQ 	<ul style="list-style-type: none"> Investigate 100% of illicit discharges reported 	12/31/22	

Documentation Attached ☒


List of Attachments: Web page screen shot of information to report illicit discharge
 Spreadsheet table of complaint calls and resolution

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	REDUCE ILLEGAL DUMPING		ID-4
Responsible Authority * County Sheriff	BMP DESCRIPTION Illegal dumping consists of disposal of waste in undesignated areas or pouring of liquid wastes or disposal of trash down storm drains. The most effective method of curbing illegal dumping is to implement an aggressive public education program. A plan to detect and address illegal dumping is a component of illicit discharge detection and elimination MCM, mandated by the Small MS4 General Permit.		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	Public education programs for illegal dumping in Collin County rely on a number of methods including the Storm Water Web Site (PE/PI-2) and Storm Water Education Classes (PE/PI-1). The County web site advertises NCTCOG hotline number and the "Don't Mess with Texas" web site for reporting illegal dumping. The County aggressively investigates and enforces illegal dumping regulations as set forth in Texas Statutes (Chapter 343 of the Health and Safety Code). The County also participates in the NCTCOG's Regional Stop Illegal Dumping Initiative which utilizes a hotline to report illegal dumping. The Collin County Sheriff's office investigates illegal dumping reports.		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue existing program to combat illegal dumping 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD The Collin County Sheriff's office currently investigates illegal dumping reports. The County web site advertises the 24-hour NCTCOG hotline number for reporting illegal dumping. See http://www.collincountytx.gov/public_works/Pages/illegal_dumping.aspx . The website also has a link to Public Service Announcement (PSA) on Illegal Dumping on YouTube. The website also has a link to an illegal dumping brochure. A copy of the brochure is attached. The GIS Department keeps a log of all illegal dump sites in the County. The County Sheriff's office investigated 325 reports of illegal dumping during the reporting period. A list of those investigations is attached. A map of known illegal dump sites is also attached.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Continue existing program to combat illegal dumping 	<ul style="list-style-type: none"> 1 Map of known dump sites Investigate 100% of illegal dumping complaints 	12/31/22	

Documentation Attached ☒


List of Attachments:

- Map of Illegal Dump Sites
- List of illegal dumping investigations
- Web page to report Illegal dumping
- Screen shot of PSA
- Illegal Dumping Brochure

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	PROMOTE USED OIL RECYCLING		ID-5
Responsible Authority * Engineering	BMP DESCRIPTION Collin County has promoted used oil recycling through the storm water website (PE/PI-2). Using the link, members of the community can find out the nearest used motor oil recycling centers where they can take their used oil to and also learn about the benefits of recycling used oil. The County promotes oil recycling through various businesses that accept the oil for free.		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Promote used oil recycling through various businesses on web site 		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD The County provides a link for more information about used oil recycling on the storm water website and the recycling website. Using the link of used oil recycling on the website, members of the community can find information on nearby used motor oil recycling centers to recycle used oil as well as learn the benefits of recycling used oil. The website link takes the user to Earth911 where you can search for recycling centers for various materials within a certain distance of a zip code.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Promote used oil recycling through various businesses on web site 	<ul style="list-style-type: none"> 1 Web page screen shot 	12/31/22	

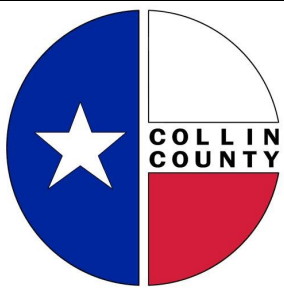
Documentation Attached ☒

List of Attachments: Web page screen shots

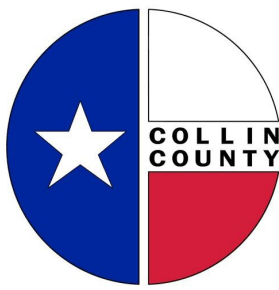
	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022	YEAR 2022
	HAZARDOUS MATERIAL SPILL RESPONSE	ID-6
Responsible Authority *Fire Marshal	BMP DESCRIPTION <p>The County has a HAZMAT truck and certified technicians for spill response and will continue their Spill Response Program throughout the County in unincorporated areas. Collin County also coordinates spill response with the City of Plano, who has a dedicated fire station that provides 24-hour, 7 days per week spill response.</p> <p>This BMP includes spill response at County facilities as well as within the unincorporated areas of the County.</p>	
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue HAZMAT responsibilities in the County 	
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 	
PROGRESS DURING CURRENT REPORTING PERIOD <p>No calls were received regarding any HAZMAT spill response to the Fire Marshal's office during 2022.</p>		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> Continue HAZMAT responsibilities in the County 	<ul style="list-style-type: none"> Respond to 100% of HAZMAT calls in County jurisdiction 	12/31/22

Documentation Attached ☐

List of Attachments:

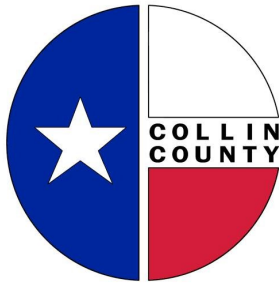
	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022	YEAR 2022
	REDUCE FAILING SEPTIC SYSTEMS	ID-7
Responsible Authority * Development Services	BMP DESCRIPTION The County administers the On-Site Sewage Facility (OSSF) program in Collin County. The County has regulations that help to reduce the number of failing septic systems. The County is in charge of licensing and inspection of OSSFs. 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. The County maintains a database of inspections in the County.	
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue OSSF inspection program 	
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 	
PROGRESS DURING CURRENT REPORTING PERIOD Collin County Development Services Department administers the On-Site Sewage Facility (OSSF) program in the County and conducts inspections for new and malfunctioning systems. The County conducted 34 inspections of malfunctioning systems and 1,266 inspections for new systems during 2022. The County maintains a tracking system that records all work orders related to OSSF inspections. The tracking system documents the address of the system and comments regarding the complaint such as "septic surfacing on top of ground", "odor" etc. The tracking system also documents the County response crew, the start and end dates and the Job Order Status. The tracking system may be queried for specific data ranges. The County is also able to generate a summary report for each inspector or a summary report for all OSSF inspections.		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> Continue OSSF inspection program 	<ul style="list-style-type: none"> Inspect 100% of new septic systems Inspect 100% of septic complaints 	12/31/22

Documentation Attached ☒
 List of Attachments: List of malfunctioning systems inspections
 List of OSSF Inspections

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	ILLICIT DISCHARGE TRAINING		ID-8
Responsible Authority * Engineering	BMP DESCRIPTION <p>The Small MS4 General permit requires that all permittees implement a method for informing or training all the permittee's field staff that may come into contact with or otherwise observe an illicit discharge or illicit connection to the small MS4 as part of their normal job responsibilities. Training program materials and attendance lists must be maintained on site and made available for review by the TCEQ.</p> <p>Collin County currently conducts pollution prevention training as one of the Good Housekeeping BMPs, but the training does not go into enough detail regarding illicit discharges and procedures to notify appropriate staff. The County will develop specific training for field staff on what is considered an illicit discharge, how to recognize an illicit discharge and who to notify to follow up on illicit discharges.</p> <p>During Year 1, the County will identify appropriate departments and staff who will receive training and develop the training program. Sign-in sheets of training attendees will be maintained on-site and made available for review by TCEQ.</p>		
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Conduct Illicit Discharge training 		
Measurable Goal Successfully Implemented? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County identified two departments to receive Illicit Discharge training during 2021. The departments that were selected included those that typically have field personnel such as inspectors that would have the opportunity to observe illicit discharges out in the county. The departments consisted of Animal Services and Public Works (Road and Bridge). The County developed a customized PowerPoint presentation for this training. During 2022, no additional new employees were hired, therefore training session not necessitated.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Conduct Illicit Discharge training 		<ul style="list-style-type: none"> 1 training/year 	N/A –BMP not Implemented.


Documentation Attached ☐

List of Attachments:

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	PROPER PET WASTE DISPOSAL		ID-9
BMP DESCRIPTION <p>The County operates and maintains several parks for use by residents and visitors to Collin County. These include Myers Park and Event Center, Parkhill Prairie, Sister Grove Park, Trinity Trail and Bratonia Park. During the next permit term, the County will assess the use of individual parks by pet owners and determine the potential for bacterial contamination from pet waste at the parks. The assessment will be completed based on surveys of maintenance staff at individual parks and will consider slope, soils, vegetation type, proximity to waterbodies and buffer zones. If the assessment determines that specific locations have the potential to be significant sources of bacteria, the County will install and maintain pet waste stations at the locations.</p>			
ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Meet with Parks/Open Space staff to design survey. • Future meetings will take place with maintenance staff from other parks in Collin County including Parkhill Prairie, Sister Grove Park, Trinity Trail and Bratonia Park. • Trinity Trail is an equestrian trail that is adjacent to Lake Lavon and passes through some of the County's Urbanized Area. The Trail is managed and maintained by volunteers from the Trinity Trail Preservation Association. A meeting with the volunteer organization will be scheduled for Year 5 to discuss potential for cleanup along trail areas. 			
PROPOSED CHANGE None			
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County meet with staff member from Myers Park to discuss the potential for pet/animal waste contamination at the park during 2022. It was determined that there are not many animals that frequent the Myers Park that are not cleaned up after. Most of the dogs are cleaned up after by pet owners. Stock show animals are confined to stalls and the stalls are cleaned after the shows are concluded.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Meet with Parks/Open Space staff to design survey 		<ul style="list-style-type: none"> • 1 Meeting Date 	12/31/22

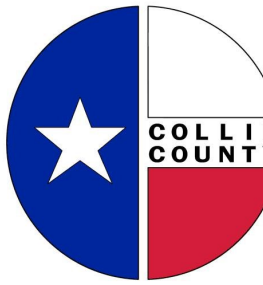
Documentation Attached ☐

List of Attachments:

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	EROSION CONTROL PLAN REVIEW		C-1
BMP DESCRIPTION <p>The urbanized area in the unincorporated areas of Collin County is contained within the ETJs of the cities and the County has interlocal agreements with each of these cities (see Appendix 1) 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 city and share the information with the respective city. The County will also determine if the site is located in the County's regulated UA.</p> <p>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 ESC plans for disturbances greater than 1 acre. The County's subdivision regulations were updated during the previous permit term through signed Court Order (No. 2012-828-11-05) which was adopted on November 5, 2012.</p>			
Responsible Authority * Engineering Development Services		ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Verify and track 100% of NOIs/CSNs submitted to the County • Review 100% of ESC plans outside of ETJ for commercial or residential building permits and enforce subdivision regulations 	
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____		PROPOSED CHANGE <ul style="list-style-type: none"> • None 	
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
PROGRESS DURING CURRENT REPORTING PERIOD <p>During the reporting period, the County received 55 NOIs or CSNs. The County's tracking system records the company name, address, the date the CSN and NOI/NOC/NOT are received and whether the erosion control plan was reviewed. The Engineering Department confirms that the documents received from contractors are for construction activities within the UA under Collin County jurisdiction and performs a review of the erosion and sediment control plans and off-site drainage plans. The County performed plan reviews for each of the 55 construction sites.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Verify and track 100% of NOIs/CSNs submitted to the County • Review 100% of ESC plans outside of ETJ for commercial or residential building permits and enforce subdivision regulations 		<ul style="list-style-type: none"> • Maintain list of 100% of construction NOIs/CSNs submitted • Review 100% of ESC plans 	12/31/22

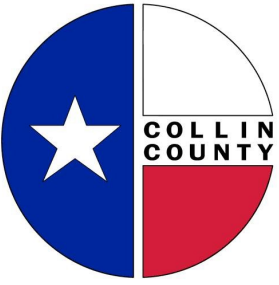
Documentation Attached ☒

List of Attachments: List of CSNs/NOIs submitted to the County


	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	CONSTRUCTION INSPECTION		C-2
Responsible Authority * Engineering	BMP DESCRIPTION <p>As described in BMP C-1, the County has interlocal agreements with all the municipalities in Collin County granting them exclusive jurisdiction to regulate subdivisions in their ETJs.</p> <p>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. Inspection and tracking procedures have been developed by the County and a general inspection checklist is used to document inspections for compliance with CGP requirements.</p> <p>Collin County will notify the respective city of any citizen complaints that it receives through their email reporting system (C-4) 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 inspection results with Collin County.</p> <p>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 County conducts inspections of all commercial, OSSF, floodplain development and driveway permits in the County.</p>		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Perform and track construction inspections 		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County conducted inspections of 100% of County roadway construction projects operated by the County or independent contractors. The County also inspected active residential construction sites within the jurisdiction that are not being inspected by the design engineer. A list of inspections is attached.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Perform and track construction inspections 	<ul style="list-style-type: none"> Inspect 100% of construction sites in jurisdiction 	12/31/22	

Documentation Attached ☒


List of Attachments: List of Inspections

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	INFORMATION SUBMITTED BY THE PUBLIC		C-3
RESPONSIBLE AUTHORITY * Engineering Information Technology	BMP DESCRIPTION <p>The Small MS4 General Permit requires that the County develop and implement procedures for the receipt and consideration of public inquiries, concerns, and information submitted regarding local construction activities. The County is required to consider the information submitted but may not need to follow-up or respond to every complaint or concern. The County is required to adopt procedures to acknowledge receipt of information (verbal and written). A tracking process will be required to document the nature of the information submitted and any follow-up activities (if warranted). This BMP will be coordinated with several of the public education or public involvement BMPs. 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.</p>		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	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.		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Promote reporting methods (email/phone) Receive and log public comments 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County established a local number (McKinney), a Metro number and an email link for the community to provide comments to the Engineering Department concerning construction activities within the MS4. The hotline is advertised on the County's web site. Work orders were issued to Development Services Department to follow up on complaints regarding unpermitted fill and drainage issues. 32 complaints were received and investigated. Closed case reports were resolved through permitting or by inspection. Open case reports are pending due to flood study, filled charges, and or in permitting process.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Promote reporting methods (email/phone) Receive and log public comments 	<ul style="list-style-type: none"> Investigate 100% of public complaints 	12/31/22	

Documentation Attached ☒
 List of Attachments: Web page screen capture
 List of work orders


	REPORTING PERIOD: JANUARY 1, 2022– DECEMBER 31, 2022		YEAR 2022
	LONG TERM OPERATION AND MAINTENANCE OF BMPs		PC-1
BMP DESCRIPTION <p>This BMP involves an inspection process to determine the effectiveness of each structural BMP installed at County facilities located within the regulated UA. Inspections will be conducted on a regular basis and maintenance will be conducted as needed to maintain the efficiency of the BMP with respect to pollutant removal.</p> <p>At this time, the only permanent structural BMPs that are located within the County's regulated MS4 and that the County has maintenance requirements for are grassed swales along county roads that comprise their stormwater conveyance system. Maintenance of these grassed swales are reported under BMP GH-2, Storm Drain System Cleaning/ROW Mowing.</p> <p>The County will identify and map any new post-construction BMPs that are installed at County Facilities and establish O&M procedures for those BMPs.</p>			
Responsible Authority * Engineering Public Works GIS / Rural Addressing		ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Maintain the map of permanent BMPs that require inspection and maintenance Inspect semi-annually and maintain as needed 	
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____ Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		PROPOSED CHANGE <ul style="list-style-type: none"> None 	
PROGRESS DURING CURRENT REPORTING PERIOD <p>At this time, the County does not have any permanent BMPs.</p> <p>There are post construction BMPs such as detention ponds in residential subdivisions. Those are being maintained by HOAs or the private landowner whose lot it resides on. There are also detention ponds on some commercial sites that are being maintained by the business owner. If the County receives a complaint regarding any of these ponds, County personnel responds and requires mitigation, but the County does not maintain.</p> <p>The County will continue to assess annually whether permanent BMPs have been constructed within the regulated UA.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Maintain the map of permanent BMPs that require inspection and maintenance by the County Inspect semi-annually and maintain as needed 		<ul style="list-style-type: none"> 1 BMP map Inspect each BMP 2 times per year 	N/A – No BMPs identified


 Documentation Attached ☐ List of Attachments: None

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	STORM WATER POLLUTION PREVENTION TRAINING / FACILITY SPECIFIC SOP MANUAL		GH-1
Responsible Authority * Engineering	BMP DESCRIPTION <p>The County conducts stormwater pollution prevention training annually to educate staff on proper storm water pollution prevention techniques. The training course may be held in-house or by computer-based training modules that are reviewed by staff. The following departments receive pollution prevention training: Engineering, Development Services, Equipment Services, Facilities Maintenance, Road and Bridge, and Fire Marshal. The employee training should include the following if applicable: 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. A facility specific SOP manual was developed during the first permit term for use during annual pollution prevention training. This manual will be reviewed annually and undated as needed. Each trainee will be required to sign an attendance sheet acknowledging that they received the training.</p>		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Review and update SOP manual and curriculum, if needed Hold 1 storm water training session for designated employees 		
Measurable Goal Successfully Implemented? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The BMP/SO manual was reviewed in 2022 and no updates to the manual were needed.</p> <p>A stormwater inspector successfully completed stormwater permit compliance training including federal, state, and local government standards on November 17th, 2022. No other training session was conducted for designated employees during this current reporting period.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Review and update SOP manual and curriculum, if needed Hold 1 storm water training session for designated employees 		<ul style="list-style-type: none"> 1 training per year, attendee list 	11/17/22

Documentation Attached ☒


List of Attachments: Stormwater Pollution Prevention Training Certificate

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	RIGHT-OF-WAY (ROW) MAINTENANCE		GH-2
Responsible Authority * Public Works/ Road and Bridge Maintenance	BMP DESCRIPTION <p>The storm drain system in unincorporated Collin County consists of roadside ditches that are maintained by the County Public Works, Road and Bridge Department as part of the ROW maintenance program. The purpose of this management practice is to reduce the amount of debris, trash and other pollutants in the storm drain system through maintaining and cleaning of roadside ditches and ROWs on a regular basis.</p> <p>The Road and Bridge Division currently maintains roadside ditches and ROW through a periodic inspection and preventative maintenance program. The County utilizes log books and a work order system to document the preventative maintenance of the ROW.</p> <p>Material removed from the ROW is used as fill if possible and stabilized with erosion control mats and vegetated with a seed mixture. If contamination is suspected, the material is tested and taken to an approved site for disposal. The County currently uses the North Texas Municipal Water District landfill in Melissa for disposal of floatables.</p>		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Continue inspection, cleaning and maintenance • Update maintenance/cleaning log 		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> • None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County continued its on-going program of inspection, cleaning and maintenance of the ROW. The Public Works Road and Bridge Department maintains a log of all activities conducted. Monthly Reports for January to December 2022 have been generated for all maintenance activities, defined by County Road number and activity type. A total of 21,303 man-hours were spent on ROW maintenance activities during the reporting year. The breakdown of individual activities is listed below.</p> <ul style="list-style-type: none"> Clean/Repair Culverts – 653 hrs. Clearing-Grubbing – 508 hrs. Drainage Ditch Regrading – 815 hrs. Dumpsite Cleanup - Roadside Litter Control – 1103 hrs. Inspect Bridges – 511 hrs. Inspect/Size Culverts – 108 hrs. Install Culverts/Bands – 103 hrs. Maintenance Grading – 454 hrs. Mow-ROW – 213 hrs. Tree-Brush cutting – 429 hrs. Weed eating – 216 hrs. 			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Continue inspection, cleaning and maintenance • Update maintenance/cleaning log 	<ul style="list-style-type: none"> • At least 10,000 man-hours of maintenance activities 	12/31/22	

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022	YEAR 2022
	EROSION CONTROL DURING ROAD AND BRIDGE MAINTENANCE AND CONSTRUCTION	GH-3
Responsible Authority <ul style="list-style-type: none"> *Public Works / Bridge Maintenance 	BMP DESCRIPTION <p>The goal of this BMP is to reduce pollutant loads which may result from the routine maintenance or repairs to roadways and bridges or construction of new county roads. Routine maintenance of roads and bridges and maintenance of erosion and sediment control BMPs can alleviate the impacts of various pollutants including heavy metals, hydrocarbons and sediment that are typically deposited on streets and bridges.</p> <p>The County uses Curlex erosion control mats and socks that are filled with aspen shavings at all construction sites and complies with the TPDES Construction General Permit (CGP). After maintenance activities are completed, the areas are seeded with a seed mixture consisting of Rye, Bermuda, Foxtail, or Fescue depending on the season for stabilization. Construction site notices and NOIs will be tracked through BMP C-1.</p> <p>Material removed during roadway upgrades, bridge maintenance, and drainage ditch maintenance is used as fill if possible and stabilized with erosion control mats and vegetated with a seed mixture. If contamination is suspected, the material is tested and taken to an approved site for disposal. The County currently uses the North Texas Municipal Water District landfill in Melissa for disposal of floatables.</p>	
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input checked="" type="checkbox"/> Changes Proposed <input checked="" type="checkbox"/> NOC Submitted Date: 3/15/2023	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Maintain work order system and erosion & sediment control BMPs during activities as required by the TPDES CGP 	
Measurable Goal Successfully Implemented? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> County to reduce total amount of man-hours to 400 per year. Number of man hours will vary year to year depending on staff availability. 	
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County Road and Bridge Department maintains a work order system for all road and bridge maintenance. The County utilizes erosion and sediment control practices regardless of the size of the disturbed area. The County's Time and Materials work order system documents the date of maintenance, location, employees, and labor and material costs associated with the maintenance activities. The maintenance is divided into task codes for different activities including: Silt Fence-Wire (Task 701), Berm Construction (Task 702), installation of Erosion Control Mats (Task Code 700), installation of Erosion Control Socks (Task 707), SWPPP Inspections (Task Code 514), Rip-Rap Construction (Task Code 712), and Grass Seeding (Task Code 725).</p> <p>A total of \$12,077 of erosion control materials were installed and 457 man-hours were expended on erosion control activities during the reporting year.</p>		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> Maintain work order system and erosion & sediment control BMPs during activities as required by the TPDES CGP 	<ul style="list-style-type: none"> Expend at least 500 man-hours per year on erosion control activities 	12/31/22


Documentation Attached ☒

List of Attachments: Time and Material Logs for erosion control


	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	METAL RECYCLING		GH-4
Responsible Authority *Public Works	BMP DESCRIPTION <p>This BMP involves the proper storage of metals at County facilities to prevent or reduce the discharge of pollutants to storm water. This BMP involves storing metals in a designated area, under cover to reduce exposure to storm water, inspecting the storage areas frequently and training employees. Used metal is recycled through a contact with Garland Steel. The metal is picked up on a monthly basis to minimize storage times. Any metal that requires temporary outdoor storage is covered with a tarp to prevent contact with storm water.</p>		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input checked="" type="checkbox"/> Changes Proposed <input checked="" type="checkbox"/> NOC Submitted Date <u>3/15/2022</u>	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue recycling and storage procedures 		
Measurable Goal Successfully Implemented? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> County to reduce recycled total amount to a minimum of 50,000 pounds of metal per year. 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County was able to discard or recycle much of the stored metal through contracts with Geomet Recycling. The remainder of the metal has been moved to an indoor storage building to prevent exposure to storm water to the maximum extent possible. Any metal that requires temporary outdoor storage has been covered with a tarp to prevent contact with storm water.</p> <p>The County recycled a total of 69,640 pounds of metal during 2022.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Continue recycling and storage procedures 		<ul style="list-style-type: none"> Recycle at least 80,000 pounds of metal per year 	12/31/22

Documentation Attached ☒


List of Attachments: Recycled metal receipts
 Summary spreadsheet and photos

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	USED TIRE RECYCLING		GH-5
Responsible Authority *Public Works	BMP DESCRIPTION <p>This BMP involves the proper storage of used tires at County facilities to prevent or reduce the discharge of pollutants to storm water. This BMP typically involves storing material in a designated area, inspecting the storage areas frequently and training employees. The County has designed material storage areas for used tires that are stored at two of the County facilities, the Public Works Service Center and the Farmersville County facility. The County keeps storage times to a minimum with 20 scheduled pickups during the year depending on need, which take place on at least a monthly basis. The tires are tarped during storage to prevent exposure to rain water.</p>		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue to recycle used tires 		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County recycled 1,095 used tires (937 passenger tires, 158 truck tires) during 2022. The storage time is kept to a minimum. During storage, the used tires are tarped to prevent exposure to precipitation.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Continue to recycle used tires 		<ul style="list-style-type: none"> Recycle at least 400 used tires per year 	12/31/22

Documentation Attached ☒
 List of Attachments: Used tire disposal logs
 Photo of used tire storage

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	USED OIL RECYCLING		GH-6
Responsible Authority *Public Works/ Equipment Services APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____ Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BMP DESCRIPTION Used oil collection and recycling programs provide a responsible alternative to disposal that is beneficial to the environment and public health. Collin County currently collects and recycles used motor oil and filters from the Public Works Service Center. The County documents the recycling of automotive fluids and provides trip tickets from the disposal contractor.		
	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue used oil collection and recycling program at the Public Works Service Center 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD The County recycled a total of 2,080 gallons of used motor oil during 2022 on the following dates: 1/18/22, 7/28/22, 11/7/22, and 2/28/22. Safety-Kleen Systems, Inc. provided waste manifests to document the quantities of used oil recycled. Copies of the waste manifests are attached.			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Continue used oil collection and recycling program at the Public Works Service Center 		<ul style="list-style-type: none"> Recycle at least 1,000 gallons of waste oil per year 	12/31/22

Documentation Attached ☒List of Attachments: Used oil recycling log
Waste manifests

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	USE OF LICENSED APPLICATORS FOR HERBICIDES		GH-7
Responsible Authority *Public Works Parks and Open Space APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input checked="" type="checkbox"/> Changes Proposed <input checked="" type="checkbox"/> NOC Submitted Date <u>3/15/2022</u> Measurable Goal Successfully Implemented? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BMP DESCRIPTION This program focuses on education and certification of County employees to reduce water quality impacts from pesticides. Education is provided on proper storage and application techniques. This certification program is administered by the Texas Department of Agriculture and provides information on alternative pest control techniques and explains dosage calculations. The certification program requires an annual exam and continuing education credits for recertification. The County's applicators are licensed as Noncommercial Applicators for restricted-use or state-limited-use pesticides. Noncommercial applicators must renew annually and obtain five CEUs each year with one credit each from two of the following categories: laws and regulations, integrated pest management or drift minimization. The County will require their applicators to maintain their licenses and attend annual training classes and retain copies of their licenses for submittal with the annual reports.		
	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Annual training for applicators • Document training and copies of licenses 		
	PROPOSED CHANGE <ul style="list-style-type: none"> • County to reduce number of licensed applicators to at least 2 staff members to meet the County's overall stormwater goal and the MEP standard. 		
	PROGRESS DURING CURRENT REPORTING PERIOD The County sent 2 staff members to training for maintenance of their Noncommercial Political Pesticide Applicator License. The licenses for County staff were issued on 11/30/22 and expires one-year from date of issuance. Licenses are Texas Department of Agriculture Category 5 for vegetation management.		
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Annual training for applicators • Document training and copies of licenses 	<ul style="list-style-type: none"> • At least 3 staff with applicator license 	11/30/22	


Documentation Attached ☒

List of Attachments: Copies of licenses


	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	SPILL PREVENTION TRAINING		GH-8
Responsible Authority *Public Works	BMP DESCRIPTION <p>The County has 20 employees that are trained and certified in spill prevention. The 8-hour training is conducted annually by Sigma Consultants. The County has spill response kits at the service centers with a 30' long sock boom for large spills and absorbent pads for smaller spills. The spill response kits contain Tyvex suits and personal protection equipment for employee safety. The annual spill prevention training refreshes the employee's knowledge of spill prevention, cleanup and personal protection equipment.</p>		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue annual spill prevention training of County staff 		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County conducted a Spill Containment Training on December 16, 2022. Twenty (20) staff members completed the training.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Continue annual spill prevention training of County staff 	<ul style="list-style-type: none"> 1 training per year and attendee list 	12/16/22	

Documentation Attached ☒

List of Attachments: Sign-in sheet


	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	VEHICLE MAINTENANCE		GH-9
Responsible Authority *Public Works / Equipment Services APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date: Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BMP DESCRIPTION This BMP involves the development of a program that focuses on controlling pollutants and reducing storm water impacts from the County's automobile maintenance shop. Vehicle maintenance facilities typically contain significant quantities of fuels, solvents and motor oils and often generate large amounts of waste. Preventative measures such as good housekeeping, spill control, parts cleaning and recycling of automotive fluids including antifreeze, waste oil, transmission and hydraulic fluid are necessary to minimize the impacts of this generated waste. The Collin County Public Works Service Center performs maintenance on County vehicles. A central floor drain within the fleet maintenance shop drains through an oil/sand separator before being discharged to the sanitary sewer. The oil/sand separator must be maintained on a regular basis to function properly. The County will continue to maintain the oil/sand separator and document these maintenance activities as part of their SWMP.		
	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Inspect oil/sand separator at least 10 times per year Clean oil/sand separator as-needed but at least once per permit term 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
	PROGRESS DURING CURRENT REPORTING PERIOD The oil/sand separator located at the maintenance shop was inspected monthly during 2022. The oil/sand separator was visually inspected on 13 dates as shown on the attached maintenance log. Maintenance needs were assessed monthly following inspections. Based on the visual inspections, cleanout was conducted on 4/11/22.		
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Inspect oil/sand separator at least 10 times per year Clean oil/sand separator as-needed but at least once per permit term 	<ul style="list-style-type: none"> At least 10 inspection reports per year 1 clean out per permit term 	12/31/22	

Documentation Attached ☒
 List of Attachments: Maintenance log
 Liquid Environmental Solutions Invoice

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022	YEAR 2022
	VEHICLE WASHING	GH-10
Responsible Authority *Public Works/ Equipment Services	BMP DESCRIPTION <p>This pollution prevention measure focuses on education efforts to inform County employees of the water quality impacts that result from the outdoor washing of vehicles and measures that can be taken to prevent the runoff from entering the storm drain system. Practices such as selecting low phosphate and biodegradable detergents can reduce receiving water impacts.</p> <p>The County has a covered wash bay at the Public Works Service Center which utilizes a pre-wash and wash water is treated through a grit trap. Proper maintenance of the grit trap is conducted on a regular basis. The County inspects the grit trap at least twice per year and maintains the trap, as need (at least annually).</p>	
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Inspect grit trap at least 10 times per year Clean grit trap as-needed but at least once per permit term 	
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 	
PROGRESS DURING CURRENT REPORTING PERIOD <p>The grit trap located at the car wash was inspected monthly during 2022. The grit trap was visually inspected on 12 dates as shown on the attached maintenance log. Based on the visual inspections, cleanout was performed on 4/11/22.</p>		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> Inspect grit trap at least 10 times per year Clean grit trap as-needed but at least once per permit term 	<ul style="list-style-type: none"> At least 10 inspection reports per year 1 clean out per permit term 	12/31/22


Documentation Attached ☒

List of Attachments: Maintenance log

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	AGGREGATE STOCKPILES		GH-11
Responsible Authority *Public Works/ Road and Bridge APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____ Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BMP DESCRIPTION This practice involves the development of a program to properly store road sand and aggregate. Proper storage and application can prevent the transport of the material with runoff. 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.		
	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Inspect quarterly and maintain erosion control BMPs around stockpile sites 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD The aggregate stockpile areas were inspected quarterly and documented on the Public Works Road and Bridge BMP Inspection Forms. Based on the inspections, erosion control practices (berms, silt fence or filter socks) were replaced, repaired or maintained. Inspections at each of the 4 facility stockpiles occurred on 2/9/22, 2/10/22, 5/26/22, 8/11/22, 11/09/22 and 11/10/22.			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Inspect quarterly and maintain erosion control BMPs around stockpile sites 		<ul style="list-style-type: none"> 4 inspection reports per year for each stockpile site 	12/31/22

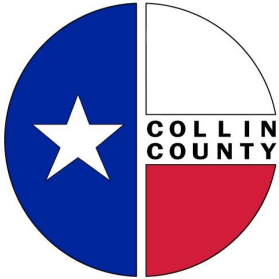
Documentation Attached ☒

List of Attachments: BMP Inspection Forms for Aggregate Stockpiles for 4 County facilities

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	VEHICLE FUELING		GH-12
BMP DESCRIPTION <p>This best management practice involves the education of County employees on the potential water quality impacts that can result from discharges associated with fueling stations and the development of procedures to minimize or prevent discharges. The County dispenses fuel at two locations, the Public Works Service Center and the Farmersville Facility. The County maintains spill prevention control and countermeasure (SPCC) plans for both facilities. The County also maintains absorbent material at all fuel islands for small spills and spill kits for larger spills. The County utilizes a canopy over the fuel island at the Public Works Service Center to prevent contact of rainwater with the fueling station. This site utilizes 2 underground storage tanks, one stores 6,000 gallons of automobile fuel and the other stores 12,000 gallons of diesel. The County's Farmersville Facility dispenses gasoline and diesel fuel from a two-chambered vaulted above ground storage tank that stores 10,000 gallons. The Farmersville fueling area is also covered. The County also has an underground storage tank at the Justice Center which provide fuel for generators.</p>			
ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Maintain compliance with SPCC plan 			
PROPOSED CHANGE <ul style="list-style-type: none"> None 			
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County maintains updated a Spill Prevention Control and Countermeasure Plan for Equipment Services at the Public Works Service Center on Wilmeth Road and the Farmersville Facility. The current plans were updated in 2018 and certified by a Professional Engineer.</p> <p>Leak detection tests were conducted on a monthly basis during 2022 for the underground storage tanks located at the Justice Center and the Wilmeth Road Service Center with passing results. Results of leak detection tests are attached.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Maintain compliance with SPCC plan 		<ul style="list-style-type: none"> 12 leak detection reports per site per year 	12/31/22

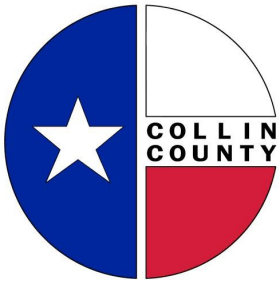
Documentation Attached ☒

List of Attachments: Leak detection reports

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022	YEAR 2022
	COUNTY FACILITIES AND CONTROL INVENTORY	GH-13
Responsible Authority *GIS	BMP DESCRIPTION <p>The Small MS4 General Permit requires that all regulated MS4s develop and maintain an inventory of facilities and stormwater controls that it owns and operates within the regulated area of the small MS4. The inventory should include all applicable permit numbers, registration numbers, and authorizations for each facility or controls. The inventory must be available for review by TCEQ and must include (if applicable):</p> <ul style="list-style-type: none"> • Equipment storage and maintenance facilities; • Fuel storage facilities; • Materials storage yards; • Pesticide storage facilities; • Buildings, including schools, libraries, police stations, fire stations, and office buildings; • Parking lots; • Swimming pools; • Public works yards; • Recycling facilities; • Street repair and maintenance sites; • Vehicle storage and maintenance yards; and • Structural stormwater controls. 	
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Update GIS map annually 	
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> • None 	
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County facilities map was updated in 2022. The map shows 27 County facilities.</p> <p>A Facilities and Control Inventory was prepared in December 2016 with all applicable permit numbers, registration numbers, and authorizations for each facility or control. A total of 10 County facilities had registration or permit numbers. Of the 10 facilities, only 3 are located in the regulated UA for the County's MS4 Program. The inventory is current and an update is not necessary at this time.</p>		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Develop and maintain an inventory of facilities and stormwater controls within the regulated area 	<ul style="list-style-type: none"> • 1 updated GIS map 	12/31/22


Documentation Attached ☒

List of Attachments: County Facilities GIS map
 Collin County Facilities and Control Inventory

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	COUNTY OPERATION AND MAINTENANCE ACTIVITIES		GH-14
Responsible Authority *Road and Bridge	BMP DESCRIPTION <p>The Small MS4 General Permit requires that all regulated MS4s evaluate operation and maintenance (O&M) activities for their potential to discharge pollutants in stormwater, including the following:</p> <ul style="list-style-type: none"> • Road and parking lot maintenance may include such areas as pothole repair, pavement marking, sealing, and re-paving; • Bridge maintenance may include 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. <p>The County will evaluate these O&M activities and identify pollutants of concern that could be discharged from the O&M activities and develop and implement specific pollution prevention measures to reduce the identified pollutants. The pollution prevention (PP) measures and/or structural controls implemented will be inspected on a regular basis to maintain the effectiveness of the BMP.</p>		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Annual Assessment of O&M activities 		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> • None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The County developed an assessment matrix to evaluate County specific operation and maintenance (O&M) activities for their potential to discharge pollutants in stormwater, including the following:</p> <ul style="list-style-type: none"> • Road and parking lot maintenance including pothole repair, pavement marking, sealing, and re-paving; • Bridge maintenance including placing rip rap around the structures, and occasional guardrail repair; • Cold weather operations including sanding; • Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation. <p>Based on assessments conducted during previous permitting years, the County updated their BMP/SO Manual. No new O&M activities were identified in 2022 that would require pollution prevention measures or structural controls. Assessment results attached.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Annual Assessment of O&M activities 	<ul style="list-style-type: none"> • 1 assessment results 	12/31/22	

Documentation Attached ☒

List of Attachments: Assessment results

	REPORTING PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022		YEAR 2022
	CONTRACTOR OVERSIGHT		GH-15
Responsible Authority *Engineering Various Departments	BMP DESCRIPTION The Small MS4 General Permit requires that any contractors that are hired by the County to perform maintenance activities on County-owned facilities must be contractually obligated to comply with all of the stormwater control measures, good housekeeping practices, and facility specific SOPs. The County is also required to provide oversight of contractor activities to ensure they are utilizing appropriate measures and SOPs.		
APPROPRIATENESS OF BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	Written oversight procedures must be developed by the end of the permit term. The oversight procedures must be maintained on site and made available for review by TCEQ.		
Measurable Goal Successfully Implemented? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Track number of contracts with stormwater oversight provisions 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD The County developed contractor oversight language to evaluate and added it to the contracts for several departments. The departments include Public Works, Engineering Services, and New Projects. During 2022, no contracts were initiated that obligated contractors to comply with all of the stormwater control measures.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Track number of contracts with stormwater oversight provisions 	<ul style="list-style-type: none"> Enforce 100% of contracts 	12/31/22	

Documentation Attached ☐

List of Attachments:

5.0 APPENDIX A – NOTICE OF CHANGE