



Collin County TPDES Phase II MS4

Year 5 Annual Report

Reporting Period: 1/1/2018 – 12/31/2018

TXR040035

March 18, 2019



Prepared for:

Collin County
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TPDES Phase II MS4 Annual Report

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Contents

TCEQ Annual Report 1

 A. General Information 1

 B. Status of Compliance with the MS4 GP and SWMP 2

 C. Stormwater Data Summary 12

 D. Impaired Waterbodies 13

 E. Stormwater Activities 15

 F. SWMP Modifications..... 17

 G. Additional BMPs for TMDLs and I-Plans 18

 H. Additional Information..... 19

 I. Construction Activities (Part IV Section B.2.(h-i)) 19

 J. Certification 20

1.0 PURPOSE OF PROGRAM 21

2.0 STATUS OF PERMIT COVERAGE 22

3.0 ANNUAL REPORTING REQUIREMENTS 23

4.0 BMP IMPLEMENTATION STATUS..... 24

5.0 SUMMARY 62

TCEQ Annual Report

TCEQ-20561 (Rev January 2019)

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

A. General Information

Authorization Number: TXR040035

Reporting Year: 5

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) 01/01/2018

Reporting period end date (month/date/year) 12/31/2018

MS4 Operator Level: Level 2

Name of MS4: Collin County MS4

Contact Name: Tracy Homfeld

Telephone Number: 972-548-3733

Mailing Address: 4690 Community Avenue, Suite 200

McKinney, TX 75071

Email Address: thomfeld@co.collin.tx.us

A copy of the annual report was submitted to the TCEQ Region YES X NO

Region the annual report was submitted. 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 Section B.2.):

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below (See Example 1 in instructions):

MCM	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain.)
1	Storm Water Education Classes	Yes
1	Storm Water Web Site	Yes
1	Storm Water Brochures	Yes
1	NCTCOG Storm Water Public Education Task Force	Yes
1	Collin County Adventure Camp	Yes
1	Regional Stormwater Management Coordinating Council (formerly Collin County MS4 Stormwater Forum)	Yes
1	Stream Clean Up Projects	Yes
1	NCTCOG Public Works Council	Yes
2	Storm Drain System Outfall Mapping	Yes
2	Visual Monitoring of Outfalls	Yes
2	Illicit Discharge Investigations	Yes
2	NCTCOG Cooperative Wet Weather Monitoring	Yes
2	Reduce Illegal Dumping	Yes
2	Promote Used Oil Recycling	Yes
2	Recycling Centers	Yes
2	Hazardous Material Spill Response	Yes
2	Reduce Failing Septic Systems	Yes
2	Illicit Discharge Training	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

MCM	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 reducing the discharge of pollutants to the maximum extent practicable. Summarize any information used (such as visual observation, amount of materials removed or prevented from entering the MS4, or if required monitoring data, etc.) to evaluate reductions in the discharge of pollutants. You may 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	Storm Water Education Classes	Collin County Master Gardeners	4	Education events held	No. Though 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 Web Site	Update web content and links	1	webpage	No. Though 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	3	brochures	No. Though this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.
1	NCTCOG Storm Water Public Education Task Force	Attend meetings	3	meetings	No. Though 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	12,217 students and 2,805 adults	participants	No. Though this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain.)
					and decrease pollutants in stormwater.
1	Regional Stormwater Management Coordinating Council (formerly Collin County MS4 Stormwater)	Meeting dates and agendas	3	Meeting3	No. Though 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	11,800	pounds	Yes. Removal of trash and debris eliminates stormwater pollutants.
1	NCTCOG Public Works Council	Attend and participate in meetings	4	meetings	No. Though this BMP does not result in a direct reduction of pollutants, coordination with other entities on stormwater allows the exchange of information.
2	Storm Drain System Outfall Mapping	Outfall map	1	map	No. Though this BMP does not result in a direct reduction of pollutants, mapping outfalls allows for the tracing of illicit discharges when observed.
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.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain.)
2	Illicit Discharge Investigations	Public complaints and reporting	0	investigations	N/A. No complaints were reported during Year 5.
2	NCTCOG Cooperative Wet Weather Monitoring	NCTCOG reports	1	website link	No. Though this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.
2	Reduce Illegal Dumping	Sheriff's reports	319	investigations	Yes. The investigation and prosecution of illegal dumping reduces stormwater pollutants.
2	Promote Used Oil Recycling	Link to promote recycling locations	1	website link	No. Though this BMP does not result in a direct reduction of pollutants, educating the citizens will increase awareness and decrease pollutants in stormwater.
2	Recycling Centers	Amount of material recycled	374.72	tons	No. Recycling of materials reduces the amount of waste in landfills.
2	Hazardous Material Spill Response	Response calls	3	Responses events	Yes. Cleanup of spills reduces the pollutants in stormwater.
2	Reduce Failing Septic Systems	Complaints and inspection requests	1,220	investigations	Yes. The inspection of septic systems reduces the number of failing systems and stormwater pollutants.

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain.)
2	Illicit Discharge Training	Number of County Employees receiving training	29	trainees	No. Though this BMP does not result in a direct reduction of pollutants, educating county workers will increase reporting and decrease pollutants in stormwater.
3	Erosion Control Plan Review	Plan review spreadsheet	13	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	49	inspections	Yes. By inspecting construction sites, can evaluate if proper BMPs are in place to reduce sediment discharge and erosion and correct the problem when observed.
3	Information Submitted by the Public	Development Services work orders	13	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	45	Trainees	No. Though this BMP does not result in a direct reduction of pollutants, educating county workers will increase awareness and decrease

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain.)
					pollutants in stormwater.
5	Storm Sewer System Cleaning/ ROW Mowing	Public Works records of ROW maintenance activities	22,000	man-hours	Yes, maintenance of storm sewer system reduces pollutants in stormwater.
5	Erosion Control during Road and Bridge Maintenance and Construction	Public Works records of erosion control activities	726	man-hours	Yes, erosion control BMPs reduces pollutants in Stormwater.
5	Metal Recycling	Weight of metal recycled	112,480	pounds	No. Recycling of materials reduces the amount of waste in landfills.
5	Used Tires Recycling	Number of tires recycled	1,032	tires	No. Recycling of materials reduces the amount of waste in landfills.
5	Used Oil Recycling	Volume of used oil recycled	2,650	gallons	No. Recycling of materials reduces the amount of waste in landfills.
5	Use of Licensed Applicators for Herbicides	Applicants records	3	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. Though this BMP does not result in a direct reduction of pollutants, educating county workers will increase awareness and decrease

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain.)
					pollutants in stormwater.
5	Vehicle Maintenance	Maintenance log	12	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.
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 reduces 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	0	Pollution prevention measures/structural controls	N/A. No new PP measures or structural controls identified in Year 5.
5	Contractor Oversight	Project records/contract documents	2	contracts	No. Though this BMP does not result in a direct reduction of pollutants, requiring contractors to comply with County

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain.)
					stormwater regulations will decrease 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	Measurable Goal	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1	Attendance Lists	Met goal
1	Screen shots of updated web pages	Met goal
1	Link to brochures on website (screen shot of webpage)	Met goal
1	Copy of sign in sheet and list of RDI activities	Met goal
1	List of ISDs and number of students	Met goal
1	Attend 3 per year	Met goal
1	At least 1 clean up event	Met goal
1	Attend at least 1 meeting and list of attendees	Met goal
2	Updated outfall map	Met goal
2	Outfall monitoring map and visual screening forms	Met goal
2	List of investigations and list of compliance or referral	Met goal
2	NCTCOG Annual Report	Met goal
2	Map of known dump sites and list of illegal dumping investigations	Met goal
2	Webpage screen shot	Met goal
2	Quantity of material recycled by location and screen shot of webpage	Met goal

MCM	Measurable Goal	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
2	List of HAZMAT calls and responses	Met goal
2	List of OSSF inspections	Met goal
2	1 training per year	Met goal
3	List NOIs/CSNs and number of plans reviewed	Met goal
3	Document training and list of inspections	Met goal
3	Webpage screen capture, list of public comments, and investigations	Met goal
4	BMP map and inspection forms	Met goal
5	List of training dates and attendees	Met goal
5	Maintenance/cleaning log	Met goal
5	List of maintenance activities	Met goal
5	Quantity of recycled metal	Met goal
5	Used tire disposal statements	Met goal
5	Trip tickets from disposal contractor	Met goal
5	Copy of licenses	Met goal
5	Dates of training and attendee list	Met goal
5	Inspection dates and cleaning invoice	Met goal
5	Maintenance logs for grit trap	Met goal
5	Inspection and maintenance logs	Met goal
5	Leak detection reports	Met goal
5	Updated GIS map	Met goal
5	List of pollutant prevention measures/structural controls	Met goal
5	Number of contracts	Met goal

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 2018 permit year,

- 319 reports of illegal dumping were investigated by the County Sheriff and subsequently cleaned up by Collin County Public Works crews.
- 11,800 pounds of debris removed from waterways in Collin County.
- 14 outfalls were visually monitored. No illicit discharges were observed.
- 20,000 man-hours spent on storm system cleaning.
- 375 tons of waste recycled from the County.
- 112,480 pounds of metal recycled.
- 1,032 used tires recycled.
- 2,650 gallons of used motor oil recycled.
- 318 investigations of potentially failing OSSFs based on public complaints.
- 13 complaints of illegal construction activities were investigated by Development Services.
- 49 construction inspections were conducted.

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.

The following information was compiled from the latest EPA-approved 303(d) list and the Texas Integrated Report of Surface Water Quality. The latest EPA approved version is the 2014 report that was approved by EPA on November 19, 2015.

Segment 0820B (Rowlett Creek) is a perennial stream that extends from the normal pool elevation of 435.5 feet of Lake Ray Hubbard to the Parker Road crossing in Collin County. This segment was first listed in 2014 for bacteria. A TMDL has not been developed for this segment.

Segment 0821C (Wilson Creek) is an unclassified water body that extends from the confluence with Lake Lavon in Collin County up to West FM 455 just east of Celina, in Collin County. Segment 0821C was first listed on the 2010 303(d) list for contract recreation use impairment due to elevated bacteria concentrations. A TMDL has not been developed for this segment.

Segment 0821D, East Fork Trinity River above Lake Lavon is an unclassified water body and consists of the portion of the East Fork Trinity River extending from the confluence with Lake Lavon to the upper end of the water body in Collin County, Texas. Segment 0821D was first listed on the 2010 303(d) list for contract recreation use impairment due to elevated bacteria concentrations. A TMDL has not been developed for this segment.

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.

Collin County has implemented several BMPs targeting the reduction of bacteria including Stream Clean Up Projects, Visual Monitoring of Outfalls, Illicit Discharge Investigations, Reduce Illegal Dumping, and Reduce Failing Septic Systems.

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

Not applicable. Collin County does not contain impaired waterbodies with an approved TMDL. Collin County MS4 does not discharge directly to an impaired waterbody.

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

Benchmark Parameter <i>(Ex: Total Suspended Solids)</i>	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted

Not applicable. Collin County does not contain impaired waterbodies with an approved TMDL. Collin County 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:

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark

Not applicable. Collin County does not contain impaired waterbodies with an approved TMDL. Collin County MS4 does not discharge directly to an impaired waterbody.

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

Description of bacteria-focused BMP	Comments/Discussion
Stream Clean Up Projects	11,800 pounds of debris removed from waterways in Collin County. Removal of trash and other debris from waterways reduces potential sources of bacteria.
Reduce Illegal Dumping	319 reports of illegal dumping were investigated 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.

Description of bacteria-focused BMP	Comments/Discussion
Reduce Failing Septic Systems	318 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.

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

For example, the MS4 may use the following benchmark indicators:

- number of sources identified or eliminated;
- decrease in number of illegal dumping;
- increase in illegal dumping reporting;
- number of educational opportunities conducted;
- reductions in sanitary sewer flows (SSOs)
- increase in illegal discharge detection through dry screening

Benchmark Indicator	Description/Comments

Not applicable. Collin County does not contain impaired waterbodies with an approved TMDL. Collin County MS4 does not discharge directly to an impaired waterbody.

E. Stormwater Activities

Describe activities planned for the next reporting year:

During 2019, the County will assess the effectiveness of previously selected BMPs and update the Collin County Storm Water Management Program based on the assessment and the updated permit (TXR040000, adopted by

TCEQ on January 16, 2019, with an effective date of January 24, 2019). The County will submit an NOI and the updated SWMP to the TCEQ on or before July 23, 2019.

MCM(s)	BMP	Stormwater Activity	Description/ Comments
1	Storm Water Education Classes	Number of environmental classes and attendees	See PE/PI-1
1	Storm Water Web Site	Screen shots of stormwater web page	See PE/PI-2
1	Storm Water Brochures	Links to brochures on web site (screen shot of web page)	See PE/PI-3
1	NCTCOG Storm Water Public Education Task Force	Attend 1 per year	See PE/PI-4
1	Collin County Adventure Camp	List of ISDs and # of students	See PE/PI-5
1	Regional Stormwater Management Coordinating Council (formerly Collin County MS4 Stormwater Forum)	Attend 1 per year	, See PE/PI-6
1	Stream Clean Up Projects	At least 1 clean up event	See PE/PI-7
1	NCTCOG Public Works Council	Attend at least 1 meeting	See PE/PI-8
2	Storm Drain System Outfall Mapping	Updated outfall map	See ID-1
2	Visual Monitoring of Outfalls	Outfall monitoring map and visual screening forms	See ID-2
2	Illicit Discharge Investigations	List of investigations List of compliance or referral	See ID-3
2	NCTCOG Cooperative Wet Weather Monitoring	NCTCOG Annual Report May replace this BMP, has not been new data in recent years	See ID-4
2	Reduce Illegal Dumping	Map of known dump sites List of illegal dumping investigations	See ID-5
2	Promote Used Oil Recycling	Web page screen shot	See ID-6
2	Recycling Centers	This BMP discontinued in September 2018. Assess alternative BMP to replace recycling BMP.	See ID-7
2	Hazardous Material Spill Response	List of HAZMAT calls and responses	See ID-8
2	Reduce Failing Septic Systems	List of OSSF inspections	See ID-9
2	Illicit Discharge Training	Training Outline and Materials	See ID-10
3	Erosion Control Plan Review	List NOIs/CSNs # of plans reviewed	See C-1
3	Construction Inspection	Document training List of inspections	See C-2

MCM(s)	BMP	Stormwater Activity	Description/ Comments
3	Information Submitted by the Public	Web page screen capture List of public comments & investigations	See C-3
4	Long Term Operation and Maintenance of BMPs	BMP map Inspection Forms	See PC-1
5	Storm Water Pollution Prevention Training/ Facility Specific SOP Manual	List of training dates and attendees	See GH-1
5	Storm Sewer System Cleaning / ROW Mowing	Maintenance/cleaning log	See GH-2
5	Erosion Control during Road and Bridge Maintenance and Construction	List of maintenance activities	See GH-3
5	Metal Recycling	Quantity of recycled metal	See GH-4
5	Used Tires Recycling	Used Tire Disposal Statements	See GH-5
5	Used Oil Recycling	Trip tickets from disposal contractor	See GH-6
5	Use of Licensed Applicators for Herbicides	Copy of licenses	See GH-7
5	Spill Prevention Training	Dates of training Attendee list	See GH-8
5	Vehicle Maintenance	Inspection dates Cleaning invoice	See GH-9
5	Vehicle Washing	Maintenance logs for grit trap	See GH-10
5	Aggregate Stockpiles	Inspection and maintenance logs	See GH-11
5	Vehicle Fueling	Leak detection reports	See GH-12
5	County Facilities and Control Inventory	Updated GIS map	See GH-13
5	County Operation and Maintenance Activities	Assess O&M activities on an annual basis and identify pollutant prevention measures, as needed	See GH-14
5	Contractor Oversight	Number of Contracts	See GH-15

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)

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.).

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.

BMP	Description	Implementation Schedule (start date, etc.)	Status/Completion Date (completed, in progress, not started)

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 some of its permit obligations?

___ Yes **X** No

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

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

___ Yes **X** 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):

I. Construction Activities (Part IV Section B.2.(h-i))

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): 13

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

___ Yes **X** No

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

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

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

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: Judge Chris Hill Title: County Judge

Signature: _____ Date: _____

Name of MS4 Collin County

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 new Small MS4 General Permit, TPDES Permit No. TXR040000, was issued on December 13, 2013. All regulated entities (new and existing) 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.

Upon notification from the TCEQ Office of Chief Clerk, the County complied 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 included the executive director's preliminary determination on the NOI and SWMP. The notice also included 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 TCEQ issued approval of Collin County's NOI on January 13, 2015.

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 (December 13, 2013). The reporting years and deadlines for annual reports are specified below.


Year	Reporting Cycle	Annual Report Due Date
1	08/13/2013 – 12/31/2014	03/31/2015
2	01/01/2015 – 12/31/2015	03/31/2016
3	01/01/2016 – 12/31/2016	03/31/2017
4	01/01/2017 – 12/31/2017	03/31/2018
5	01/01/2018 – 12/31/2018	03/31/2019

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

- Status of compliance with permit conditions, assessment of the appropriateness of the identified BMPs, progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals;
- A summary of the results of the information (including monitoring data) collected and analyzed during the reporting period;
- If applicable, a summary of any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4s BMPs used to address the pollutant of concern;
- A summary of activities planned for the next reporting year;
- Proposed changes to the SWMP;
- Description and schedule for implementation of additional BMP's that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementations plans;
- Notice that the MS4 operator is relying on another government entity to satisfy some of its permit obligations (if applicable);
- Number of municipal construction activities authorized under the 7th optional MCM and total number of acres disturbed; and
- The number of construction activities that occurred within the jurisdictional area of the Small MS4 (as noticed to the permittee by the construction operator), and that were not authorized under the 7th MCM.


4.0 BMP IMPLEMENTATION STATUS

This report serves as the Year 5 Annual Report for Collin County for the period January 1, 2018 through December 31, 2018. The annual report is organized by Minimum Control Measures with one-page summaries of the Year 5 activities. Documentation that the County has achieved the measurable goals is provided on the enclosed CD.

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	STORM WATER EDUCATION CLASSES		PE/PI-1
Responsible Authority *Engineering AgriLIFE	BMP DESCRIPTION A classroom education program was developed for Collin County to educate students on storm water related issues; these educational opportunities will continue through the classes offered to school aged children by the Texas AgriLIFE Extension. Texas AgriLIFE Extension of Collin County is a statewide educational agency and a local partnership between Collin County Commissioners Court, the Texas A&M University System and the United States Department of Agriculture. The County has coordinated with County AgriLIFE Extension staff to report annual educational activities in Collin County that are storm water related. These classes include a variety of environmental education activities (Pond Management, Urban Rancher, Wetlands Workshop, 4-H Lawn and Safety Education Program, Master Gardeners) offered throughout the County. All class attendees have, and will, continue to be tracked by age and city of residence. The County Sheriff's Department has also conducted classroom educational programs that are focused on illegal dumping and its consequences on storm water quality.		
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"> • Hold classes that address school age children and adults throughout Collin County • Attend 2 Leadership Advisory Board meetings 		
	PROPOSED CHANGE <ul style="list-style-type: none"> • None 		
PROGRESS DURING CURRENT REPORTING PERIOD A variety of educational methods were used to inform the public about the principles, practices, and benefits of Earth-Kind Environmental Stewardship. In February, the Master Gardeners had a booth at the Collin County Home and Garden Show and provided two speakers for the event. On February 17 th , the Master Gardeners distributed trees to Collin County citizens as part of the city's Arbor Day celebration and hosted their Annual Spring into Vegetable Gardening Program at Collin County's Myers Park. On March 3 rd , Master Gardeners hosted a Newcomer's Guide to Gardening in Collin County with various speakers on EarthKind, soil, trees, gardening, water conservation, and maintaining pollinator/habitat gardens. The Collin County Master Gardeners hosted the 2018 Texas Master Gardener Annual Conference at Myers Park and Event Center in Collin County on March 17 th and 18 th . The conference featured educational events with hands-on activities and demonstrations from local experts. The event included presentations for homeowners, local vendors, speakers, hands-on demonstrations, children's activities, and tours of trial gardens at Myers Park. County representatives attended three Advisory Board meetings on February 15 th , May 24 th and October 11 th , 2018.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Hold classes that address school age children and adults throughout Collin County • Attend 2 Leadership Advisory Board meetings 	<ul style="list-style-type: none"> • Attendance Lists 	10/11/18	


Documentation Attached ☒

List of Attachments: Advisory Board agenda and minutes

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	STORM WATER WEB SITE		PE/PI-2
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.			
Responsible Authority * Information Technology Public Information Engineering		Section of Population Addressed: Residents, Visitors, Public Service Employees, Businesses, Commercial and Industrial Facilities, Construction Site Personnel.	
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 web content as needed • Maintain web-site links 	
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 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, locations of recycling centers, 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. Using the link for 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 the benefits of recycling used oil. Links are provided to 3 brochures that the County produces.			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Update web content as needed • Maintain web-site links 		<ul style="list-style-type: none"> • Screen shot of stormwater web page 	12/31/18


Documentation Attached ☒

List of Attachments: Web Page Screen shot

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	YEAR 5
	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 3, the County began to utilize one of the NTCOG's brochures on pet waste. The "Doo the Right Thing" brochures are distributed by the Collin County Animal Shelter with adoption papers to encourage proper disposal of pet wastes. The brochures are also distributed to kiosks located at the Collin County Government Center and the Public Works Department. The brochures are also available in PDF format on the County's Storm Water Web Page (PE/PI-2).</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 Print pet waste posters and distribute to locations such as the animal shelter 	
	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. Copies of the construction site brochure with details on preventing storm water pollution at construction sites are distributed 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. "The Dirty Dozen" brochure is added to all permit packets distributed from Collin County Development Services. It has also been added to the Permit packages online from the Development Services webpage. The links to Dirty Dozen and Construction Activities brochures are included at center of page https://www.collincountytx.gov/development_services/Pages/commercial_forms.aspx.</p> <p>All brochures are also on display in kiosks in the Engineering Department, the Wilmet Road Service Center and outside the Fire Marshal's office.</p> <p>The County also distributes a brochure on illegal dumping on their website, http://www.collincountytx.gov/public_works/Pages/illegal_dumping.aspx.</p> <p>The County animal shelter gives out the "Doo the Right Thing" poop bags and gives them out at every adoption. The County displays dog waste posters from the City of McKinney at the County's Animal Shelter.</p>		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> Continue to distribute existing brochures 	<ul style="list-style-type: none"> Links to brochures on web site (screen shot of web page) 	12/31/18


Documentation Attached ☒

List of Attachments: Copies of brochures and screen shots of web page links, Copy of dog waste poster posted at animal shelter


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	YEAR 5
	NCTCOG STORM WATER PUBLIC EDUCATION TASK FORCE	PE/PI-4
Responsible Authority * Engineering	BMP DESCRIPTION <p>The NCTCOG has assembled a Public Education Task Force to develop and distribute educational materials and to conduct community outreach activities that will inform the public within the MS4 service area. The targeted audience includes visitors to the County as well as residents, businesses owners, commercial and industrial facilities, construction site personnel and public service employees. Outreach activities have sought to inform the public about storm water impacts on water quality and hazards associated with illegal discharges and improper disposal of waste and steps that citizens can take to reduce pollutants in storm water runoff. Collin County will continue to participate in the task force meetings and regionally developed initiatives (RDIs) for public education.</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, and 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"> Attend and stay informed of 2 Task Force meetings Tailor RDIs and implement locally to educate public 	
PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>Four meetings of the Public Education Task Force were held in 2018 on 1/17, 4/18, 7/18 and 10/24. The County attended the October 24th meeting. The County stayed informed on matters discussed during the other three Task Force meetings held in 2018. The agenda items and sign in sheets for the meetings are attached. Agenda items included discussion of the "Doo the Right Thing" public education initiative, the Texas SmartScape program and cooperative purchases of educational materials.</p>		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> Attend and stay informed of 2 Task Force meetings Tailor RDIs and implement locally to educate public 	<ul style="list-style-type: none"> Copy of sign in sheets List of RDI activities 	12/31/18

Documentation Attached ☒

List of Attachments: PETF summary and sign in sheets


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	YEAR 5
	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 Track numbers of students and ISDs attending 	
	PROPOSED CHANGE <ul style="list-style-type: none"> None 	
PROGRESS DURING CURRENT REPORTING PERIOD School Districts represented at the Collin County Adventure Camp for Year 5 included: Anna ISD, Aubrey ISD, Blue Ridge ISD, Melissa ISD, Plano ISD, and Princeton ISD, as well as approximately 79 public and private schools from the area. A total of 12,217 students and 2,805 adults participated in the Camp throughout the year. The groups listed in the report all participated in one of the Camp's environmental study classes. Most were 5th graders utilizing the "water lab" curriculum; however, some were other age groups doing the same or similar activities at the lake. Environmental education topics included "Forest Adventure," "Race Through Time," and "Water Lab". These lesson plans were offered as multi-day exercises in a camp setting, but were open to day groups as well. The County will continue to track the number of school children that participate in these programs as a measurable goal for reporting progress.		
Implementation Activity	Measurable Goal	Completion Date
<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"> List of ISDs # of students 	12/31/18

Documentation Attached ☒
 List of Attachments: Spreadsheet from Collin County Adventure Camp
 Water Lab and Environmental Education Curriculum

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	YEAR 5
	REGIONAL STORMWATER MANAGEMENT COORDINATING COUNCIL (FORMERLY COLLIN COUNTY MS4 STORMWATER FORUM)	PE/PI-6
Responsible Authority * Engineering	BMP DESCRIPTION <p>The Regional Stormwater Management Coordinating Council (RSWMCC) is composed of 22 representatives from participating entities who provide guidance and oversight to the annual program. Council representatives serve a three-year term, and are led by a Chair, Vice-Chair and Past-Chair. The Coordinating Council consists of a permanent seat for each local government entity designated as a Phase I MS4 by the Texas Pollution Discharge Elimination System (TPDES), and three representatives from each of the four major watersheds in the combined urbanized areas of North Central Texas. The four major watersheds are divisions of the Upper Trinity River and are known as the Mainstem, West Fork, Elm Fork, and East Fork. The County is a representative for the East Fork Watershed. The council meets approximately 4 times per year.</p>	
Appropriateness of BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No: <input type="checkbox"/> Changes Proposed <input checked="" type="checkbox"/> NOC Submitted Date: 3/31/2018	Section of Population Addressed: Residents, Visitors, Public Service Employees, Businesses, Commercial/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"> Attend meetings and share ideas on stormwater BMPs 	
	PROPOSED CHANGE <ul style="list-style-type: none"> None 	
PROGRESS DURING CURRENT REPORTING PERIOD <p>Meeting agendas and summaries from the Regional Stormwater Management Coordinating Council are attached. County representatives were not able to attend the meetings but reviewed meeting minutes and stayed informed of discussion items.</p>		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> Attend meetings and share ideas on stormwater BMPs 	<ul style="list-style-type: none"> Attend 3 per year 	12/31/18


Documentation Attached ☒

List of Attachments: Agenda and meeting summaries from meetings.


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	STREAM CLEANUP PROJECTS		PE/PI-7
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. During the July 2013 cleanup event, over one ton of trash and debris was removed from area streams. The County tracks the locations and the amount of debris removed from each location.			
Section of Population Addressed: Residents, Public Service Employees, Businesses			
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 The County selected 4 locations for stream cleanup days based on illegal dumping reports/complaints. The Stream Cleanup Events were held on July 26 th , September 4 th , September 12 th , and October 9 th , 2018. 7/26/18 CR 590 at Bois d'Arc Creek (2480 lbs) 9/4/18 CR 463 at Stiff Creek (3200 lbs) 9/12/18 CR 604 at Elm Creek (2700 lbs) 10/9/18 CR 60 at Clarks Branch (3420 lbs) A total of 11,800 pounds of trash and debris were removed from Collin County creeks and disposed of at the 121 Regional Disposal Facility. The weight tickets, photos and documentation are attached.			
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 	12/31/18

Documentation Attached ☒

List of Attachments: Photos of cleanup event, list of trash and debris collected, weight tickets


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	NCTCOG PUBLIC WORKS COUNCIL		PE/PI-8
Responsible Authority * Public Works	BMP DESCRIPTION The Public Works Council (PWC), initially established as the Public Works Advisory Committee in 1984, 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. The PWC meets several times per year and hosts a Public Works Roundup annually. The PWC structure has 16 seats for the nine cities over 100,000 population (two seats each for the three largest cities) and the four largest counties including Collin County. The Director of Engineering of Collin County is a member of the PWC.		
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: Public Service Employees		
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"> Attend and stay informed of PWC meetings 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD County personnel were not able to attend the Public Works Council meetings during Year 5. Meetings were held on February 8, 2018, May 10, 2018, August 16, 2018, and November 29, 2018. The department responsible for implementation of this BMP changed from Engineering to Public Works during Year 5. Email notifications for the meetings were not being sent to the correct personnel. The County notified the NCTCOG of personnel changes for representation on the PWC. Mark Hines from Public Works is now listed on the Committee roster. Personnel downloaded and reviewed the meeting summaries for the 4 PWC meetings. The agendas for the meetings and meeting summaries are attached.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Attend and stay informed of PWC meetings 	<ul style="list-style-type: none"> Attend at least 1 meeting List of attendees 	12/31/18	

Documentation Attached ☒
 List of Attachments: Member roster
 Meeting agendas/summaries

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	YEAR 5
	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 updated outfall map for the new UA was developed. The map identifies 14 outfalls in Collin County urbanized area. No new outfalls were identified in Year 5. The UA outfall map is attached.		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> Maintain outfall map and updated as needed based on visual screening of outfalls (ID-2) 	<ul style="list-style-type: none"> Updated outfall map 	12/31/18


Documentation Attached ☒

List of Attachments: Updated UA Outfall Map

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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 25% of outfalls identified during first permit term 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 11/14/18. The 14 outfalls identified (see ID-1) were visually screened during Year 5. Field sheets and photos are attached. Some bank erosion, trash and debris were noted but 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 25% of outfalls identified during first permit term Maintain tracking system/verify GIS map 	<ul style="list-style-type: none"> Outfall monitoring map and visual screening forms 	11/14/18	


Documentation Attached ☒

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

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	ILLICIT DISCHARGE INVESTIGATIONS		ID-3
Responsible Authority * Public Works	BMP DESCRIPTION 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.		
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"> Investigate suspected illicit discharges (as necessary) Seek voluntary compliance or refer to adjacent MS4 or TCEQ 		
	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD 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. There were no reports of illicit discharge received on the hotline in Year 5.			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Investigate suspected illicit discharges (as necessary) Seek voluntary compliance or refer to adjacent MS4 or TCEQ 	<ul style="list-style-type: none"> List of investigations List of compliance or referral 	12/31/18	


Documentation Attached ☒

List of Attachments: Web page screen shot of information to report illicit discharge

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	NCTCOG COOPERATIVE WET WEATHER MONITORING		ID-4
Responsible Authority * Engineering	BMP DESCRIPTION <p>NCTCOG is assisting local entities through a cooperative regional monitoring program for collection of wet weather water quality data. The regional program includes the Phase I cities of Dallas, Fort Worth, Arlington, Garland, Irving, Plano, Mesquite; the local districts of the TxDOT; and the North Texas Tollway Authority (NTTA). The regional monitoring plan was initiated during the previous permit term and includes sampling of several monitoring stations throughout the DFW area including Collin County. Each sample is analyzed for up to 18 parameters. Although this monitoring program was designed to meet the permit requirements of Phase I cities, it will also benefit Phase II cities and may be used to determine long-term water quality trends. The County reviews the NCTCOG annual reports for the monitoring and makes the reports available to the public through a link on the Stormwater Web Page (PE/PI-2).</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"> Obtain and review results of wet weather monitoring activities in Collin County Inform public of results by posting link to NCTCOG annual report on the County's website 		
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 continues to provide a link to the NCTCOG's sampling program and data. Collin County will monitor the NCTCOG's web site for updated water quality data and update their storm water web page to reflect the new data. No new data became available during 2018.</p> <p>The link to the COG: http://www.nctcog.org/envir/SEEClean/stormwater/program-areas/monitoring/index.asp </p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> Obtain and review results of wet weather monitoring activities in Collin County Inform public of results by posting link to NCTCOG annual report on the County's website 	<ul style="list-style-type: none"> NCTCOG Annual Report 	12/31/18	

Documentation Attached ☒


List of Attachments: Web page screen capture

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	REDUCE ILLEGAL DUMPING		ID-5
Responsible Authority * County Sheriff	BMP DESCRIPTION <p>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.</p> <p>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.</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 existing program to combat illegal dumping 		
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 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.</p> <p>The GIS Department keeps a log of all illegal dump sites in the County. The County Sheriff's office investigated 319 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.</p>			
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"> Map of known dump sites List of illegal dumping investigations 	12/31/18	

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 and Feature Article


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	PROMOTE USED OIL RECYCLING		ID-6
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. http://www.recycleoil.org/			
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"> Web page screen shot 	12/31/18	

Documentation Attached ☒

List of Attachments: Web page screen shots


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	RECYCLING CENTERS		ID-7
BMP DESCRIPTION <p>Collin County began its first recycling program in 2004 through a grant issued by the North Central Texas Council of Governments. Collin County currently has five recycling centers strategically located throughout unincorporated areas and smaller cities. Recycling promotes a cleaner county by helping keep roads and bridges free of debris because much of the trash along county roads is recyclable material. Brochures like the one shown have been developed to promote the recycling centers throughout the County. Acceptable recyclable items include newspapers, magazines, junk mail, paper bags, glass, office paper, cardboard, soft cover books, catalogs, plastic bags, aluminum/tin cans, and plastic containers. Locations of recycling centers are advertised on the County Storm Water Web Site (PE/PI-2). An interactive map allows users to zoom and pan in the map window to located the nearest recycling center.</p>			
ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • None 			
PROPOSED CHANGE <ul style="list-style-type: none"> • The County decided to discontinue their recycling program after September 2018. • During the next permit term, the County will discontinue this BMP. • The County will explore alternate BMPs to replace this BMP. 			
PROGRESS DURING CURRENT REPORTING PERIOD <p>The recycling locations were listed on the Public Works Department web page. There were 4 locations where recycling bins were available to residents of Collin County during Year 5. The web site included an interactive location map of each recycling centers that allows the user to zoom and pan in the map window. Besides the center locations, the map includes many other features such as aerial photography, cities, roads, streams, etc. Tracking procedures were developed to document the quantity of material recycled. A total of 374.72 tons of recycled material was collected during Year 5. The breakdown by site is Melissa (26.95 tons), Branch (255.01 tons), Weston (49.91 tons), and Copeville (42.85 tons).</p> <p>The County decided to discontinue their recycling program after September 2018.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Track quantity of material recycled by location • Update web page (as needed) 		<ul style="list-style-type: none"> • Quantity of material by location • Screen shot of web page 	12/31/18

Documentation Attached ☒List of Attachments: Recycled Materials Quantities
Web page screen capture

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	HAZARDOUS MATERIAL SPILL RESPONSE		ID-8
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>The Fire Marshal's Office reported three HAZMAT response calls during 2018 (5/17/18, 6/6/18 and 8/10/18). The first call involved asphalt repair equipment that tipped over and began spilling diesel onto the property and into the drainage ditch at 3955 FM 1377. The road was secured until heavy equipment could be brought in to right the asphalt repair equipment. The contractor owning the equipment contacted a hazmat remediation company to clean up the diesel using bio remediation spray and removal of contaminated soil.</p> <p>The second incident involved a farm truck carrying 28,320 lbs of N-P-K granulated fertilizer that rolled over and spilled its contents into the ditch at the northwest corner of Bus Hwy 78 and Hwy 78. Farm equipment belonging to the company that owned the truck arrived on scene and used front end loaders to recover the fertilizer. The material was deemed safe and no need for a hazmat remediation company.</p> <p>The third incident involved a jailer receiving boxes of shoes that encountered a suspected chemical and had an acute response to the chemical which required medical attention. No danger to the public was noted.</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"> List of HAZMAT calls and responses 	12/31/18


Documentation Attached ☒

List of Attachments: List of HAZMAT responses

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	REDUCE FAILING SEPTIC SYSTEMS		ID-9
Responsible Authority * Development 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 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.		
	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Continue OSSF inspection program 		
	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 318 inspections of malfunctioning systems and 902 inspections for new systems during Year 5 of the permit term. 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"> List of OSSF inspections 	12/31/18


Documentation Attached ☒

List of Attachments: List of malfunctioning systems inspections
 List of OSSF Inspections (new systems highlighted in yellow)

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	YEAR 5
	ILLICIT DISCHARGE TRAINING	ID-10
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 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 identified six departments to receive training during Year 5. 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: Engineering, Development Services, Special Projects, Parks, Animal Services and the Fire Marshal's Office. In Year 5, the NCTCOG's YouTube video was used for this training. The training was conducted in December 2018.</p> <p>The training may be viewed at: https://www.youtube.com/watch?feature=player_embedded&v=hnXMalmmmKo. The video is 7 minutes long and was shown to 29 County employees during Year 5.</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 	12/31/18


Documentation Attached ☒

List of Attachments: Sign-in sheets for training


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	Year 5
	EROSION CONTROL PLAN REVIEW	C-1
Responsible Authority * Engineering Development Services	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>	
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"> • Verify and track NOIs/CSNs submitted to the County • Review ESC plans outside of ETJ for commercial or residential building permits and enforce subdivision regulations 	
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>During the reporting period, the County received 13 NOIs or CSNs. The County's tracking system records the contractor name, address, the date the CSN and NOI/NOC/NOT are received and whether the erosion control plan was reviewed. Based on the records, 8 small CSNs and 5 NOIs/large CSNs were received. 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 13 sites and 49 inspections at 10 construction sites.</p>		
Implementation Activity	Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Verify and track NOIs/CSNs submitted to the County • Review ESC plans outside of ETJ for commercial or residential building permits and enforce subdivision regulations 	<ul style="list-style-type: none"> • List NOIs/CSNs • # of plans reviewed 	12/31/18

Documentation Attached ☒

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


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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"> • Ensure personnel conducting plan review, inspections and enforcement are properly trained to conduct activities • 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>A total of 49 inspections of 10 construction sites were conducted during the reporting period. A list of inspections is attached.</p> <p>Two County employees, responsible for construction inspections received training during the reporting period. Training certificates are attached.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Ensure personnel conducting plan review, inspections and enforcement are properly trained to conduct activities • Perform and track construction inspections 	<ul style="list-style-type: none"> • Document training • List of inspections 	12/31/18	

Documentation Attached ☒List of Attachments: List of Inspections
Training Certificates


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	INFORMATION SUBMITTED BY THE PUBLIC		C-3
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> <p>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.</p>			
RESPONSIBLE AUTHORITY * Engineering Information Technology		ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Promote reporting methods (email/phone) Receive and log public comments 	
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>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. The work orders involved 13 sites that were not in compliance. Each work order was resolved through permitting or by inspection.</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"> Web page screen capture List of public comments and investigations 	12/31/18

Documentation Attached ☒


List of Attachments: Web page screen capture
 List of work orders

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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 <p>* Engineering Public Works GIS / Rural Addressing</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			
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 			
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. All BMPs that were previously identified were temporary (construction) BMPs that had not been removed following completion of construction. The County removed the temporary BMPs as they were not intended or designed to function as 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 Inspect semi-annually and maintain as needed 		<ul style="list-style-type: none"> BMP map Inspection Forms 	12/31/18


Documentation Attached ☐ List of Attachments: None

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	STORM WATER POLLUTION PREVENTION TRAINING / FACILITY SPECIFIC SOP MANUAL		GH-1
Responsible Authority * Engineering	BMP DESCRIPTION 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.		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PROPOSED CHANGE <ul style="list-style-type: none"> None 		
PROGRESS DURING CURRENT REPORTING PERIOD The BMP/SOP manual was updated during Year 5. Pollution prevention training was held on December 10 th , 11 th , 20 th and 21 st , 2018. Departments that attended the training included Public Works (5), Equipment Services (10), Traffic (1), Development Services (7), and Animal Services (22). A total of forty-Five (45) County employees attended the training. Sign in sheets are attached.			
Implementation Activity <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 <ul style="list-style-type: none"> List of training dates and attendees 	Completion Date 12/31/18	

Documentation Attached ☒List of Attachments: Updated SOP Manual
Sign in sheets


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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>		
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 _____	<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>		
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 inspection, cleaning and maintenance Update maintenance/cleaning log 		
	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 2018 have been generated for all maintenance activities, defined by County Road number and activity type. A total of 22,000 man-hours were spent on ROW maintenance activities during the reporting year. Man-hour breakdowns for selected activities are summarized below.</p> <ul style="list-style-type: none"> Clean/Repair Culverts – 1,620 hrs. Clearing-Grubbing – 574 hrs. Install Culverts – 629 hrs. Mow ROW – 5,604 hrs. Herbicide Treatment – 242 hrs. Drainage Ditch Regrading – 3,188 hrs. Dump Site Cleanup – 401 hrs. Inspect Bridges – 18 hrs. Inspect Storm Damage – 1,430 hrs. Inspect/Size Culverts – 132 hrs. Maintenance Grading – 1,005 hrs. Tree-Brush Cutting – 4,423 hrs. Roadside Litter Control – 2,704 hrs. Weedeating – 32 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"> Maintenance/cleaning log 	12/31/18	

 Documentation Attached ☒ List of Attachments: Annual ROW Maintenance Log

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	YEAR 5
	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 type="checkbox"/> Changes Proposed <input type="checkbox"/> NOC Submitted Date _____	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 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 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 \$14,570 of erosion control materials were installed and 726 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 	List of maintenance activities	12/31/18


Documentation Attached ☒

List of Attachments: Time and Material Logs for erosion control


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	METAL RECYCLING		GH-4
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>			
RESPONSIBLE AUTHORITY *Public Works			
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 recycling and storage procedures 			
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>The County was able to discard or recycle much of the stored metal through contracts with Garland Steel Metal Recycler. 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 112,480 pounds of metal during Year 5.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Continue recycling and storage procedures 		<ul style="list-style-type: none"> Quantity of recycled metal 	12/31/18

Documentation Attached ☒


List of Attachments: Recycled metal receipts
 Summary spreadsheet

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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 1,032 used tires during Year 5. The County will continue to have a private disposal company pick up larger truck and off-road tires that the County-owned tire shredder cannot process. The shredder and disposal company keep storage time to a minimum. During storage, the used tires are tarped to prevent exposure to precipitation. The County shredded 1,207 tires during the reporting period.</p>			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> Continue to recycle used tires 		<ul style="list-style-type: none"> Used Tire Disposal Statements 	12/31/18

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


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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 2,650 gallons of used motor oil during Year 5 on the following dates: 1/11/18, 5/30/18, 8/23/18, and 11/14/18. The County disposed of 2 drums (600 gallons) of waste absorbent material on 11/26/18. 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"> Trip tickets from disposal contractor 	12/31/18

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

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018	YEAR 5
	USE OF LICENSED APPLICATORS FOR HERBICIDES	GH-7
Responsible Authority *Public Works Parks and Open Space	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.	
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 training for applicators • Document training and copies of licenses 	
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 sent 3 staff members to training for maintenance of their Noncommercial Political Pesticide Applicator License. The licenses for County staff were issued on 5/5/18, 9/30/18 and 11/30/18; 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"> • Copy of licenses 	12/31/18

Documentation Attached ☒

List of Attachments: Copies of licenses


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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 provided Year 5 Chemical Spill Response Training (OSHA Level II) for 20 employees on December 13, 2018. The attendee sign-in sheet is attached.</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"> Dates of training Attendee list 	12/31/18

Documentation Attached ☒


List of Attachments: Attendee list

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	VEHICLE MAINTENANCE		GH-9
Responsible Authority *Public Works / Equipment Services	BMP DESCRIPTION <p>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.</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 _____	<p>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 soil/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.</p>		
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"> • Inspect oil/sand separator twice per year • Clean oil/sand separator annually 		
	PROPOSED CHANGE <ul style="list-style-type: none"> • None 		
PROGRESS DURING CURRENT REPORTING PERIOD <p>The oil/sand separator located at the maintenance shop was inspected monthly during Year 5. The oil/sand separator was visually inspected on 12 dates as shown on the attached maintenance log. Based on the visual inspections, cleanout was performed on 2/19/18 and 11/8/18 by Liquid Environmental Solutions of Texas.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Inspect oil/sand separator twice per year • Clean oil/sand separator annually 	<ul style="list-style-type: none"> • Inspection dates • Cleaning invoice 	12/31/18	

Documentation Attached ☒List of Attachments: Maintenance log
Waste manifests


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	VEHICLE WASHING		GH-10
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 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. 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).		
	ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> • Pump out grit trap with recently contracted vendor • Inspect grit trap twice per year • Maintain grit trap at least annually 		
	PROPOSED CHANGE <ul style="list-style-type: none"> • NONE 		
PROGRESS DURING CURRENT REPORTING PERIOD The grit trap located at the car wash was inspected monthly during Year 5. 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 2/19/18 and 11/8/18 by Liquid Environmental Solutions of Texas.			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Inspect grit trap twice per year • Maintain grit trap at least annually 		<ul style="list-style-type: none"> • Maintenance logs for grit trap 	12/31/18

Documentation Attached ☒List of Attachments: Maintenance log
Waste Manifests

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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 2/6/18, 2/7/18, 5/2/18, 5/3/18, 8/2/18, and 11/6/18.			
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"> Inspection and maintenance logs 	12/31/18


Documentation Attached ☒

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


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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>			
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 _____			
ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD <ul style="list-style-type: none"> Maintain compliance with SPCC plan 			
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 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. The required training detailed in the plan educates County employees on the potential water quality impacts that may results from discharges from these two facilities.</p> <p>Site assessments were conducted for two of the County Facilities for updates to the SPCC plans including the Wilmeth Road Service Center and the Farmersville Barn on May 29, 2018. Based on the site visits, additional structural controls were identified. The BMP/SO Manual was updated to include portable containment dikes in drainage ditches in the event of uncontrolled spills to maintain spills on-site within the facility. See GH-1 for updated BMP/SO Manual.</p> <p>Leak detection tests were conducted on a monthly basis during Year 5 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"> Leak detection reports 	12/31/18

Documentation Attached ☒

List of Attachments: Leak detection reports
 Cover pages from updated SPCC plans


	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	COUNTY FACILITIES AND CONTROL INVENTORY		GH-13
Responsible Authority *GIS	BMP DESCRIPTION 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): <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 The County facilities map has not changed since 2017. The map shows 27 County facilities. 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.			
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"> • Updated GIS map 	12/31/18	

Documentation Attached ☒
 List of Attachments: County Facilities GIS map
 Collin County Facilities and Control Inventory (2016)

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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"> • Identify and implement PP measures and/or structural controls 		
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 2018 that would require pollution prevention measures or structural controls.</p>			
Implementation Activity	Measurable Goal	Completion Date	
<ul style="list-style-type: none"> • Identify and implement PP measures and/or structural controls 	<ul style="list-style-type: none"> • List of PP measures and/or structural controls 	12/31/18	

Documentation Attached ☐

List of Attachments: None

	REPORTING PERIOD: JANUARY 1, 2018 – DECEMBER 31, 2018		YEAR 5
	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.		
	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.		
	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"> • Ensure contractor oversight procedures are added to all appropriate contracts 		
	PROPOSED CHANGE <ul style="list-style-type: none"> • None 		
PROGRESS DURING CURRENT REPORTING PERIOD The County developed contractor oversight language and added it to the contracts for several departments. The departments include Public Works, Engineering Services, and New Projects. During Year 5, there were 2 contracts that were executed with the stormwater provision added. <u>Contract #</u> 2018-203 DNT SBSR 2018-336 Myers Park Roadway			
Implementation Activity		Measurable Goal	Completion Date
<ul style="list-style-type: none"> • Develop written contractor oversight procedures 		<ul style="list-style-type: none"> • Oversight procedures 	12/31/18

Documentation Attached ☒

List of Attachments: Contracts with stormwater provision

5.0 SUMMARY

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 12/13/2013 to 12/13/2018.

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 this SWMP effectively during the reporting period. This Year 5 annual report covers activities from January 1, 2018 through December 31, 2018.