



March 29, 2019
AVO 35307.001

Texas Commission on Environmental Quality
Stormwater Team Leader (MC-148)
12100 Park 35 Circle
Austin, Texas 78753
512-239-4671

RE: Phase II Year 5 MS4 Annual Report Transmittal for the Town of Copper Canyon, TX
TPDES Permit Authorization: TXR040565

Dear Team Leader:

This letter serves to transmit the Year 5 Annual Report (January 1, 2018 – December 31, 2018) for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040565 for Copper Canyon, TX.

Due to no proposed BMP changes for the permit year, a Notice of Change will not be submitted for the next permit year.

Sincerely,

HALFF ASSOCIATES, INC.

A handwritten signature in blue ink that reads "Leah M Hodge".

Leah Hodge, PE, CFM
Project Manager

C: Tony Walker
TCEQ Region 4 Director
2309 Gravel Drive
Fort Worth, TX 76118-6951
817-588-5800

Annual Report Permit Year 5 (2018)

for



TOWN OF COPPER CANYON

Texas Commission on Environmental Quality
Texas Pollutant Discharge Elimination System
General Permit TXR040000

March 2019

Prepared By



4000 Fossil Creek Blvd.
Fort Worth, Texas 76137-2720
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Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040565

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

Annual Reporting Year Option Selected by MS4:

Calendar Year 2018

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: 1 Name of MS4: Town of Copper Canyon

Contact Name: Donna Welsh Telephone Number: (940) 241-2677 (ext. 3)

Mailing Address: 400 Woodland Drive, Copper Canyon, TX 75077

E-mail Address: dwelsh@coppercanyontx.com

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		The Town is in compliance with the approved SWMP
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		All documents are in compliance.

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.)	X		Community does not discharge into an impaired water body.
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2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below (**See Example 1 in instructions**):

- The Town requires developers with sites larger than 1 acre to have a SWPPP for their Construction Activities. Roadway maintenance (overlay, pot hole, and pothole repair) is the main construction within the town. The Town adopted a Stormwater Ordinance that addresses the requirements for Erosion and Sediment Control, Post Construction Runoff and Pollution Prevention and it is currently being enforced.
- There are no industrial areas in the Town, thus the possibility to discharge pollutants to the Town's stormwater systems is low.

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.
1	1.3 - River/Stormwater System Volunteer Cleanups	Yes, there were two (2) cleanup days in 2018.
2	2.3 - Development of Storm Sewer Map Showing All Outfalls and Names of Waters of the United States	Yes, Storm map was updated to include new storm drain improvements. Additional culverts are inspected after rain events and regularly during the dry season.
3	3.5 - Implement Mechanism for Contractor Comment Consideration in Regard to Runoff Control	Yes, Link to the Town website has provided contractors and citizens the opportunity to give feedback about runoff control.

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 (**See Example 2 in instructions**):

- Stormwater sampling, monitoring and analysis was not included in the Town's SWMP for Years 1-5

MCM	BMP	Parameter	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No, and explain.)
1	1.1	Educational materials	2	Town Hall flyers and printouts	No, the literature available at Town Hall appears to be of little interest to Residents. Information on the Town website is considered to be more widely utilized by Residents.
1	1.2	Online Educational materials	11	Links on Town website	Yes, with technology and the internet being more convenient for information we now believe that the additional information placed on the Town website could raise awareness for pollution prevention, reporting pollution and thus, result in reductions. The Town SWMP and 4 previous annual reports are also available for public review and education purposes.
1	1.3	Volunteer cleanup	2	Town Cleanup and Trail Cleanup days	Yes, The Town has two clean up days, Town Cleanup and Trail Cleanup, which are open to residents. Other clean up days are additionally performed by various volunteer groups. This community involvement helps to both clean debris and also raises awareness.
2	2.2	Outfalls	Multiple	Inspections	Yes - The Town Engineer performed visual checks of storm water during and post construction to check for pollutants and illicit discharges during dry season. The Town continues to inspect the housing developments and construction activities larger than 1 acre to

					ensure that contractor has a SWPPP for their Construction Activities and that erosion protection is provided for disturbed areas less than 1 acre. The Town's Erosion Control ordinance requires that construction have an erosion control plan that is reviewed by the Town Staff or Town Engineer.
3	3.3	Procedures for Runoff controls	1	Multipurpose Form	A combined form and procedures were created and were available for use during Year 5.

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

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved
		If goal was not accomplished, please explain
1	BMP 1.1 – Distribute Stormwater Education Material	Met Goal – Town provides stormwater pollution prevention flyers for residents at Town Hall. Literature replaced as needed. General stormwater presentation found on website (See attached – BMP 1.1)
1	BMP 1.2- Stormwater message with links on Website	Met goal – The SWMP is available on the Town's website. The Town averages 350 MS4 webpage views per month. Included are the following materials: <ul style="list-style-type: none"> • TCEQ - Oil-Recycling Guide • TCEQ - Green Guide Yard Care • TCEQ - How to Prepare SWPPP • TCEQ – Steps to Obtain Construction Permits for Storm Water Discharge Guide (See attached – BMP 1.2)
1	BMP 1.3- River/Stormwater System Volunteer Cleanups	Annual <i>Trail</i> Clean Up Day - November 17, 2018 (13 citizens participated)

MCM(s)	Measurable Goal(s)	<p>Explain progress toward goal or how goal was achieved</p> <p>If goal was not accomplished, please explain</p>
		<p>Annual <i>Town Clean Up Day</i> - October 6, 2018 (78 households participated)</p> <p>(See attached BMP 1.3)</p>
1	BMP 1.4- Display SWMP on Town Website for Public Review and Comments	Met goal – Links to the SWMP, Year 1, 2, 3 and 4 Annual Reports are available on the Town website. No comments related to the SWMP were received through the Town website email link in 2018 (See attached – BMP 1.4).
2	BMP 2.1- Illicit Discharge Detection and Elimination	<p>Met goal – Ordinance created to include <i>illicit connection</i> and <i>illicit discharge</i> definitions in Town’s ordinance. Ordinance adopted January 8, 2018.</p> <p>Continued procedures for Illicit Discharge Violations and implemented the Illicit Discharge Complaint Log. No illicit discharges logged in 2018.</p> <p>(See attached – BMP 2.1).</p>
2	BMP 2.2- Visual Inspection of Selected Stormwater Outfalls During Dry Weather	<p>Met goal – New inspection form implemented in 2018</p> <p>Dry weather inspection performed on August 1, 2018</p> <p>(See attached – BMP 2.2).</p>
2	BMP 2.3- Development of Storm Sewer Map Showing All Outfalls and Names of Waters of the United States	Exceeded goal - Town Map was updated (See attached – BMP 2.3).
2	BMP 2.4- Research public education material to educate employees, business, and the general public	Met goal - The presentation <i>Stormwater Education, Are We Keeping the Water Clean?</i> is available on the Town website. See also educational resources for BMP 1.1 and 1.2.

MCM(s)	Measurable Goal(s)	<p>Explain progress toward goal or how goal was achieved</p> <p>If goal was not accomplished, please explain</p>
3	BMP 3.1 - Submit draft of ordinance revisions.	Met goal – Ordinance approved on January 8, 2018
3	BMP 3.2 - Require Submittal of Construction Site SWPPP for Review by City Staff	<p>Met goal – Reviewed current construction plan checklist.</p> <p>Town reviewed the Copper Creek Estates Final Construction Plans in February 2018 and the Briarwood Retreat Flood Study in November 2018.</p> <p>Town enforces current ordinances requiring SWPPP and Erosion Control Plans for sites larger than 1 acre. Construction permits are not issued for sites disturbing more than 1 acre without SWPPP and complying with TCEQ General Permit TXR150000.</p> <p>2 SWPPPs reviewed in 2018</p> <p>(See attached – BMP 3.2).</p>
3	BMP 3.3 - Review and revise as necessary the construction site inspection procedures.	<p>Met goal – Construction Site Inspection Form was available for use in Year 5</p> <p>1 active construction site was field inspected during 2018: Copper Creek Estates (10-09-18, 10-25-18).</p> <p>Ordinance states that professional fees from inspections and other professional fees associated with development can be passed on to the developers at 120% of invoice.</p> <p>(See attached – BMP 3.3).</p>
3	BMP 3.4 – Train City Inspector in Conducting Proper Site Inspections in Conducting Proper Site Inspections	Met goal – Town Engineer was certified by EPA’s Proposed 2017 Construction General Permit on 4/27/2016.
3	BMP 3.5 - Implement mechanism for contractor	Met goal - Town maintains link in the Town website for comments from contractors and public regarding erosion control and runoff control.

MCM(s)	Measurable Goal(s)	<p>Explain progress toward goal or how goal was achieved</p> <p>If goal was not accomplished, please explain</p>
	Comment and Procedures for Comment Consideration in regard to Runoff Control	(See attached – BMP 3.5).
4	BMP 4.1 - Create and distribute educational materials for area developers regarding post-construction stormwater controls	Met goal –Post-Construction Inspection Form created to be given at pre-construction meetings regarding Stormwater Controls (See attached – BMP 4.1).
5	BMB 5.1- Assess Municipal Properties for Appropriate Stormwater Pollution Prevention Control	Met goal – Inspection form available to inspect municipal properties. Inspection of Town Hall gutter/downspouts performed October 26, 2018. (See attached – BMP 5.1).

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.? (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(b)).

- **October 9, 2018**
Halff checked the erosion control measures in place at Copper Creek Estates. A follow-up site visit was performed on October 25, 2018. Field observation reports were prepared after each visit.

D. Impaired Waterbodies

1. 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: (Refer to MS4 General Permit TXR040000 Part IV Section B.2.(c)): [NOT APPLICABLE](#)
2. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)): [NOT APPLICABLE](#)
3. Report the benchmark identified by the MS4 and assessment activities (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(6)): [NOT APPLICABLE](#)

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

4. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark (Refer to the MS4 General permit TXR040000; Part II Section D.4.(a)(4)): [NOT APPLICABLE](#)

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark

5. If applicable, report on focused BMPs to address impairment for bacteria (Refer to the MS4 General Permit TXR040000; Part II Section D.4.(a)(5)): [NOT APPLICABLE](#)

Description of bacteria-focused BMP	Comments/Discussion

6. Assess the progress to determine BMP's effectiveness in achieving the benchmark (Refer to the MS4 General Permit TXR040000; Part II.D.4.(a)(6)): [NOT APPLICABLE](#)

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

E. Stormwater Activities

Describe stormwater activities the MS4 operator plans to undertake during the next reporting year. You may use the table below (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(d)):

MCM(s)	BMP	Stormwater Activity	Description/Comments
2	2.1	Illicit discharge detection	Continue to implement procedures for addressing illicit discharge violations in Year 5.
2	2.2	Visual Inspection of Stormwater Outfalls	Continue to implement inspection form and procedures to regularly inspect outfalls during Year 5.
3	3.3	Construction Site Inspections	Continue to implement inspection form and procedures to regularly inspect construction sites during Year 5.

F. SWMP Modifications

1. 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 (Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(e)): **NOT APPLICABLE**

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.

2. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land etc.): **NOT APPLICABLE**

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 (Refer to the MS4 General permit TXR040000 Part IV Section B.2.(f)).

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

H. Additional Information

1. Is the permittee relying on another entity to satisfy some of its permit obligations? (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(g))

☐ Yes ☒ No

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

Name and Explanation:

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Authorization Number: _____ Permittee: _____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Notices of intent and site notices received; Refer to the MS4 General Permit TXR040000 Part IV Section B.2.(h)) 1 site

2a. Does the permittee utilize the optional 7th MCM related to construction?

☐ Yes ☒ No

2b. If 'yes,' then provide the following information for this permit year (refer to the MS4 General Permit TXR040000 Part IV Section B.2.(i)): **NOT APPLICABLE**

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

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

J. Certification

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

Name (printed): Donna Welsh Title: Town Administrator
Signature:  Date: March 27, 2019

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4 _____

Name (printed): _____ Title: _____

Signature: _____ Date: _____

Name of MS4

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