

Phase II MS4 Annual Report

For the Town of



Stormwater Management Program
Year 2
(January 1, 2020 – December 31, 2020)
Permit Authorization Number: TXR040565



Texas Commission on Environmental Quality

March 2021

Prepared By



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CPP 20013



Phase II MS4 Annual Report Form TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040565

Reporting Year: 2

Annual Report Year: Calendar Year

Beginning and End Dates: January 1, 2020 – December 31, 2020

MS4 Operator Level: Level 1

Name of MS4/Permittee: Town of Copper Canyon

Contact Name: Ms. Donna Welsh, Town Administrator

Telephone Number: 940-241-2677

Mailing Address: 400 Woodland Drive
Copper Canyon, TX 75077

Email Address: townadministrator@coppercanyon-tx.org

A copy of the annual report was submitted to the TCEQ Region.



Yes



No

Region the annual report was submitted to: TCEQ Region 4.

B. Status of Compliance with the MS4 GP and SWMP (Part IV Section B.2(a))

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

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Permittee is currently in compliance with recordkeeping and reporting requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edward Aquifer limitations, compliance history, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



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2. Provide a general assessment of the appropriateness of the selected BMPs. Use table below or attach a summary, as appropriate:

MCM	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.
1	Distribute Educational Stormwater Material	Yes, educating the public about stormwater is an important part of reducing pollution that enters into stormwater runoff.
1	Post SWMP and Annual Reports	Yes, educating citizens about the program raises awareness of everyday stormwater issues that can be easily remedied.
1	Volunteer Cleanup Activities	Yes, educating and involving the public can help raise awareness about stormwater pollution.
2	Illicit Discharge Ordinance	Yes, regulating and enforcing illicit discharges is important in reducing pollution.
2	Dry Weather Screening	Yes, visually inspecting Town outfalls can lead to the detection of illicit discharges and allows for periodic monitoring.
2	Storm Sewer Map	Yes, being able to easily identify the source of illicit discharges is vital to protecting stormwater quality.
2	Education and Training on Illicit Discharges	Yes, educating the Town staff on identifying and taking corrective actions can eliminate future illicit discharges.
3	Erosion and Sediment Control Ordinance	Yes, by allowing the Town to enforce erosion and sediment control on construction sites, pollutants from stormwater runoff are reduced.
3	Construction Site SWPPP Review	Yes, requiring contractors and developers to submit a SWPPP for review ensures appropriate erosion and sediment controls for construction sites.
3	Construction Site Inspections	Yes, performing the site inspections will ensure proper installation and maintenance of erosion and sediment controls and reduce transport of sediment.
3	Construction Stormwater Training	Yes, stormwater pollution can reduce by properly training staff to identify, report, and correct improper erosion control practices on construction sites.
3	Contractor Comment	Yes, providing a mechanism for contractors to comment about stormwater concerns allows for the Town to address comments ensuring construction requirements are met.
4	Post-Construction Stormwater Requirement	Yes, allows the Town to enforce post-construction requirements, reducing the amount of pollution that might enter the storm drain from runoff.
5	Appropriate Stormwater Pollution Prevention Controls	Yes, determining pollution prevention and good housekeeping practices can reduce stormwater pollution from municipal activities.
5	Properly Dispose of Waste	Yes, properly disposing of municipal waste can help reduce pollution at Town facilities.
5	Contractor Requirements and Oversight	Yes, the contractual requirements ensure that contractors are using appropriate control measures and standard operating procedures to reduce stormwater pollution when working within the MS4.
5	Municipal Employee Training Program	Yes, the program identifies possible pollutants and remediation to limit or prevent pollutant runoff.



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3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the maximum extent practicable. If no progress was made or the BMP did not result in a reduction in pollutants, provide an explanation. Use the table or attach a narrative description as appropriate.

MCM	BMP	Information Used	Quantity	Units	Does BMP Demonstrate a Direct Reduction in Pollutants? (yes or no, explain)
1	Distribute Stormwater Educational Material	Research Educational Information	4	Websites	Yes, providing stormwater information raises citizens awareness of stormwater pollution and what can be done to reduce pollution.
1	Post SWMP and Annual Reports	SWMP and Report	-	SWMP and Report	No, however educating the public about the program can educate residents on how Copper Canyon prevents stormwater pollution.
1	Volunteer Cleanup Activities	Cleanup Events	1	Event	Yes, involving the public to clean up litter can directly reduce debris from entering local waterways.
2	Illicit Discharge Ordinance	Potential Illicit Discharges Inspected	100%	Potential Illicit Discharges	No, however, creating regulations that govern illegal dumping and illicit discharges can prevent pollutants from entering storm drains.
2	Dry Weather Screening	Outfalls Inspected	22	Outfalls	Yes, it can result in a direct reduction of pollutants if an illicit discharge is found.
2	Storm Sewer Map	Outfalls Mapped	20	Outfalls	No, however, the BMP allows staff to easily track and respond to illicit discharges.
2	Education and Training on Illicit Discharges	Research Training Method	1	Video Viewed	No, however, providing educational information allows the staff to identify and take corrective actions on illicit discharges.
3	Erosion and Sediment Control Ordinance	Construction Site Inspected	4	Construction Sites	No, however, creating regulations that govern practices on construction sites reduces the amount of pollution in the storm drains and receiving waterbodies.
3	Construction Site SWPPP Review	SWPPP Reviewed	6	SWPPP	No, but it is important the Town have proper review procedures to ensure that construction sites are enacting appropriate pollutant reducing BMPs.



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MCM	BMP	Information Used	Quantity	Units	Does BMP Demonstrate a Direct Reduction in Pollutants? (yes or no, explain)
3	Construction Site Inspections	Construction Site Inspected	4	Construction Sites	No, however, it is important for the Town to have proper inspection procedures to ensure the construction sites are complying with the Town's Erosion and Sediment Control Ordinance.
3	Construction Stormwater Training	Research Training Method	1	Video Viewed	No, however, it is important that current procedures be updated to ensure construction inspections are conducted properly.
3	Contractor Comment	Contractor Comments Address	100%	Comments	Yes, providing a mechanism for residents to comment about stormwater concerns allows for the Town to address comments ensuring construction requirements are met.
4	Post-Construction Stormwater Requirement	Post-Construction Inspections	0	Inspections	No, however, requiring developers to install post construction runoff control measures reduction long-term pollution from the site.
5	Appropriate Stormwater Pollution Prevention Controls	Municipal Facility Inspections	1	Inspection	No, however, performing the assessment on municipal facilities identifies possible pollutants and will help develop standard operating procedures to reduce and minimize pollutant discharges.
5	Properly Dispose of Waste	Research Procedures	2	Procedures for trash and recycling	No, however, implementing proper waste disposal procedures can reduce pollutants from entering local waterways.
5	Contractor Requirements and Oversight	Research Contractual Agreements	1	Agreement	No, however, implementing contractual requirements and oversight ensures that MS4-hired contractors are accountable to the MS4's pollution reduction goals.
5	Municipal Employee Training Program	Research Training Method	1	Video Viewed	No, however, training the employees to be cognizant of and report improper stormwater practices can result in pollutant reduction.



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4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals.

MCM	Measurable Goal	Success
1	Research outreach material on stormwater pollution within one year.	Met goal – The Town has researched outreach material to distributed to residents.
1	Post each annual report as it is available and maintain on webpage continuously until end of permit term.	Did not meet goal – The Town's website is currently being redesigned and will include reports once complete.
1	Respond to email comments or questions from public.	Met goal – The Town did not receive comments or questions, but the Town encourages residents to participate in the program.
1	Advertise the cleanup at least once on the Town's website.	Met goal – The City-Wide cleanup was advertised on the Town's Website.
1	Coordinate at least one annual cleanup event.	Met goal – City-Wide Cleanup was scheduled for October 3, 2020.
2	Review current ordinance within a year.	Met goal – The ordinance was reviewed, and no changes were deemed necessary.
2	Inspect 100% of illicit discharges located or reported.	Met goal – The Town investigated 100% of complaints or reports received.
2	Provide point on contact to received reports of illicit discharges. Investigate 100% of complaints or reports received.	Met goal – The Town investigated 100% of complaints or reports received.
2	Visually inspect culvert crossings once per year.	Met goal – A total of 22 culvert crossings were inspected this year.
2	Annually update the storm drainage system map.	Met goal – The storm drainage map is currently up to date, but may need revisions.
2	In Year 2, determine best method for training (video, NCTCOG course)	Met goal – The Town Engineer previewed NCTCOG training video and determined it was appropriate for training.
3	Review current ordinance within a year.	Met goal – The ordinance was reviewed and no changes were deemed necessary.
3	Inspect 100% of construction sites each year.	Met goal – The Town inspects 100% of construction sites each year.
3	Inspect 100% of complaints regarding construction sites each year.	Met goal – The Town inspected 100% of complaints regarding construction sites each year.
3	Review current checklist within a year.	Met goal – Current checklist has been reviewed and no changes were deemed necessary.



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MCM	Measurable Goal	Success
3	Administer the construction plan review process for 100% of new regulated construction projects.	Met goal – The plan review process was administered to 100% (6) new regulated construction projects.
3	Inspect 100% of construction sites each year.	Met goal – The Town inspects 100% (4) of construction sites each year.
3	Inspect 100% of complaints regarding construction sites each year.	Met goal – The Town inspects 100% (4) of complaints regarding construction sites each year.
3	In Year 2, research public education and training material.	Met goal – The Town Engineer previewed NCTCOG training video and determined it was appropriate for training.
3	Address 100% of complaints or comments received from construction contractors.	Met goal – The Town addressed 100% of complaints or comments received from construction contractors.
4	Investigate 100% of post-construction violations or complaints.	Met goal – Copper Canyon investigate 100% of post-construction violations.
5	Inspect 100% of municipal operations and maintenance activities each year.	Met goal – Copper Canyon inspected 100% of municipal operations and maintenance activities.
5	In Year 2, research procedures to remove and properly dispose of waste.	Met goal – The Town research procedures to remove waste properly.
5	In Year 2, research procedures to oversee that Town-hired contractors comply with stormwater control.	Met goal – The Town developed procedures to oversee Town-hired contractors.
5	In Year 2, research public education and training material.	Met goal – The Town researched public education and training material.



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C. Stormwater Data Summary

Provide a summary of the results of information collected and analyzed during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

- Public Reporting & Response Procedures
 - The Town actively encourages, tracks, and responds to residents' observations of illicit discharges. While this does not require Town forces to actively monitor, it allows for more "boots on the ground", more visual coverage, and Town awareness and response.
- Construction Site Inspections and Enforcement
 - This BMP requires Town stormwater personnel to be actively monitoring construction sites for stormwater pollutants.

D. Impaired Waterbodies

1. Identify weather 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(d) and 303(d). List any newly-identified impaired waters below by including the name of the water body and the cause of impairment.

- Not applicable. Town of Copper Canyon does not have any impaired waterbodies on the TCEQ 2020 303d list.

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.

- Not applicable. Town of Copper Canyon does not contain impaired waterbodies listed on the TCEQ 2020 303d list.

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

- Not applicable. Town of Copper Canyon does not contain impaired waterbodies listed on the TCEQ 2020 303d list.

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

- Not applicable. Town of Copper Canyon does not contain impaired waterbodies listed on the TCEQ 2020 303d list.

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

- Not applicable. Town of Copper Canyon does not contain impaired waterbodies listed on the TCEQ 2020 303d list.

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

- Not applicable. Town of Copper Canyon does not contain impaired waterbodies listed on the TCEQ 2020 303d list.

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

- Not applicable. Town of Copper Canyon does not contain impaired waterbodies listed on the TCEQ 2020 303d list.



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E. Stormwater Activities (Part IV Section B.2. (d))

Describe any stormwater activities the MS4 operator has planned for the next reporting year.

MCM	BMP	Stormwater Activity	Description/Comments
1	Distribute Stormwater Educational Material	Provide brochures to the public at Town facilities. Distribute brochures to at least one Town event each year.	The Town will provide brochures to at least one Town event each year.
1	Post SWMP and Annual Reports to Town Website	Post each annual report as it is available and maintain on webpage continuously until end of permit term.	The Town will continue to post annual reports on the Town's Website.
1	Post SWMP and Annual Reports to Town Website	Respond to email comments or questions from public.	The Town will be available to respond questions or comments from the public.
1	Volunteer Cleanup Activities	Advertise the cleanup at least once on the Town's website.	The Town will continue to advertise the cleanup event on the Town's website.
1	Volunteer Cleanup Activities	Coordinate at least one annual cleanup event.	The Town will coordinate at least one cleanup event each year.
2	Illicit Discharge Ordinance	Inspect 100% of illicit discharges located or reported.	The Town will inspect 100% of illicit discharges.
2	Illicit Discharge Ordinance	Provide point of contact to received reports of illicit discharges. Investigate 100% of complaints or reports received.	The Town will investigate 100% of complaints or reports received.
2	Dry Weather Screening	Visually inspect culvert crossings once per year.	The Town will annually inspect culvert crossings.
2	Storm Sewer Map	Annually update the storm drainage system map.	The annual storm drainage system map will be updated.
2	Education and Training on Illicit Discharge	In Year 3, research public education and training material.	The Town will research public education and training material.
2	Construction Ordinance	Inspect 100% of construction sites each year.	The Town will continue to inspect 100% of construction sites.
2	Construction Ordinance	Inspect 100% of complaints regarding construction site each year.	The Town will continue to inspect 100% of complaints regarding construction sites.
3	Construction Site SWPPP Review	Administer the construction plan review process for 100% of new regulated construction projects.	The Town will continue to administer the construction plan review process.



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MCM	BMP	Stormwater Activity	Description/Comments
3	Construction Site Inspections	Review current inspection procedure in Year 3.	The Town will review the current inspection checklist to ensure compliance.
3	Construction Site Inspections	Inspect 100% of construction sites each year.	The Town will inspect 100% of construction sites.
3	Construction Site Inspections	Inspect 100% of complaints regarding construction sites each year.	The Town will inspect 100% of complaints regarding construction sites.
3	Construction Stormwater Training	Provide annual construction stormwater training at least once a year for designated Town staff and new hires.	The Town engineer will attend training.
3	Contractor Comment	Address 100% of complaints or comments received from construction contractors.	The Town will address 100% of contractor's complaints or comments.
4	Post-Construction Stormwater Requirement	Investigate 100% of post-construction violations or complaints.	The Town will investigate 100% of post-construction violations.
4	Long-Term Maintenance of Post-Construction BMPs	Develop requirements for the long-term operation and maintenance of structural controls installed on development sites. Prepare draft by Year 3.	The Town will develop requirements for long-term operation and maintenance of structural controls.
5	Appropriate Stormwater Pollution Prevention Controls	Inspect 100% of municipal operations and maintenance activities each year.	The Town will inspect 100% of municipal operation and maintenance activities.
5	Procedures to Properly Dispose of Waste	In Year 3, develop procedures to remove and properly dispose of waste.	The Town will develop procedures to remove and properly dispose of waste.
5	Contractor Requirements and Oversight	In Year 3, develop procedures to oversee that Town-hired contractors comply with stormwater control.	The Town will develop procedures to oversee Town-hired contractors.
5	Municipal Employee Training Program	Provide annual municipal employee training at least once a year for designated staff and new hires.	The Town engineer and staff will attend municipal employee training.



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F. Stormwater Modifications (Part IV Section B.2.(e))

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:

G. Additional BMPs for TMDLs and I-Plans

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

- No additional BMPs are anticipated for the Town of Copper Canyon at this time.

H. Additional Information (Part IV Section B.2.(g))

1. Is the permittee relying on another entity/ies to satisfy some of its permit obligations?

☐

Yes

☒

No

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

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). 4

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

☐

Yes

☒

No



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

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

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 person 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: Donna Welsh

Title: Town Administrator

Signature: _____

Date: _____

Town of Copper Canyon MS4



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Public Education, Outreach, and Involvement

BMP Title:

Distribute Stormwater Educational Material

Responsible Department:

Town Administrator

Measurable Goal:

Year 2 – Outreach material on stormwater pollution will be researched within one year.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town researched outreach material on NCTCOG, Defend Your Drain, Take Care of Texas, and EPA website.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

It is important to educate residents about Copper Canyon's efforts in reducing stormwater pollution. Developing and implementing the program demonstrates the Town's effort in complying with the MS4 permit in reducing stormwater pollution.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Public Education, Outreach, and Involvement

BMP Title:

Post SWMP and Annual Report

Responsible Department:

Town Administrator

Measurable Goal:

Year 2 – Post SWMP to Town website and maintain on webpage continuously until end of permit term. Post each annual report as it is available and maintain on webpage continuously until end of permit term. Respond to email comments or questions from public.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town started posting the annual report and SWMP on the Town's website since the last permit term. Currently, Copper Canyon's website is being redesigned and reports will be made available once completed. There were no comments received this year.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

It is important to educate residents about Copper Canyon's efforts in reducing stormwater pollution. Developing and implementing the program demonstrates the Town's effort in complying with the MS4 permit in reducing stormwater pollution.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Public Education, Outreach, and Involvement

BMP Title:

Volunteer Cleanup Activities

Responsible Department:

Town Administrator

Measurable Goal:

Year 2 – Advertise the cleanup at least once on the City's website. Coordinate at least one annual cleanup event.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town of Copper Canyon scheduled a City-wide cleanup for Saturday October 3, 2020. The City-wide Cleanup event consisted of collecting household hazardous waste, electronics for recycling, paper shredding, and bulk trash.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

The Clean-up Event reduces the amount of waste that could otherwise enter the storm drain system.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Illicit Discharge Detection and Elimination

BMP Title:

Illicit Discharge Ordinance

Responsible Department:

Town Engineer and Town Inspector

Measurable Goal:

Year 2 – Review current ordinance within a year. Inspect 100% of illicit discharges located or reported. Provide point of contact to received reports of illicit discharges. Investigate 100% of complaints or reports received.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town has reviewed the current ordinance.

This year there were no illicit discharges reported. However, the Town actively inspects culvert crossings for any type of illicit discharges.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

Adopting the illicit discharge ordinance allows the Town to prevent any non-stormwater discharges, and illegal dumping, and take actions of enforcement on any issues that may arise.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM: **Illicit Discharge Detection and Elimination**

BMP Title: **Dry Weather Screening**

Responsible Department: Town Engineer

Measurable Goal: Year 2 – Visually inspect culvert crossings once per year.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐
(a) If so, explain what was done to accomplish the measurable goal.

The Town performed dry weather field screenings at 22 culvert crossings within the Town limits. The Outfall Reconnaissance Inventory checklist form was used to document the findings at each outfall.

- (b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐
3. Was this BMP considered to be successful? Yes ☒ No ☐
(a) Please explain.

The inventory checklist developed by the Center for Watershed Protection is a comprehensive water quality review form and has several stormwater quality criteria to assist with the dry weather screening. The dry weather screening is an effective way to identify potential pollutant discharges to the MS4.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒
(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM: **Illicit Discharge Detection and Elimination**

BMP Title: **Storm Sewer Map**

Responsible Department: Town Engineer

Measurable Goal: Year 2 – Annually update the storm drainage system map.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town of Copper Canyon prepared a storm drainage system outfall map in 2018. A total of 20 outfalls are mapped on the storm sewer map. However, based on the dry weather screening the map may need to be revised.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

The Town has successfully mapped 100% of the Town outfalls. The map can be used to track location of illicit discharges within the Town.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM: **Illicit Discharge Detection and Elimination**

BMP Title: ***Education and Training on Illicit Discharges***

Responsible Department: Town Engineer

Measurable Goal: Year 2 – In Year 2, determine best method for training (video, NCTCOG course)

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town Engineer reviewed various options for training. It was determined that NCTCOG training videos and courses as the best option for training.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

Training educates Town employees on how to identify any possible illicit discharges and how to resolve them. Knowing how to respond when discharges happen can result in minimizing pollution to lakes and streams.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Construction Site Stormwater Runoff Control

BMP Title:

Erosion and Sediment Control Ordinance

Responsible Department:

Town Administrator and Town Engineer

Measurable Goal:

Year 2 – Review current ordinance within a year. Inspect 100% of construction sites each year. Inspect 100% of complaints regarding construction sites each year.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Erosion and Sediment Control Ordinance was adopted in 2014 under the last permit term. The Town has inspected 100% of active construction sites.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

It is important for the Town to be able to enforce the requirements for erosion and sediment control on construction sites. Proper stormwater practices on construction sites reduces the amount of pollution from site runoff.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Construction Site Stormwater Runoff Control

BMP Title:

Construction Site SWPPP Review

Responsible Department:

Town Administrator and Town Engineer

Measurable Goal:

Year 2 – Review current checklist within a year. Administer the construction plan review process for 100% of new regulated construction projects.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town has administered the construction plan review process for civil plans for 6 construction projects. The 6 construction project includes Bridgeway Church, Canyon Ranch (replat), Ken Davis Estates, Orchid Hill Tract, Van Strohe Addition, and Vickery Phase 2 and 3.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

It is important to ensure the new developments or redevelopments contain appropriate site-specific construction site control measures.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Construction Site Stormwater Runoff Control

BMP Title:

Construction Site Inspections

Responsible Department:

Town Administrator and Town Engineer

Measurable Goal:

Year 2 – Inspect 100% of construction sites each year. Inspect 100% of complaints regarding construction sites each year.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town has performed 100% of active construction sites. Inspections have been documented and resolved in a timely manner. Active construction sites include Copper Hill Circle, Vickery Park, Copper Creek, and Boots Ranch.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

It is important to ensure active construction sites are implementing the erosion and sediment controls in order to prevent pollutants from entering the storm drains and waterways during active construction.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Construction Site Stormwater Runoff Control

BMP Title:

Construction Stormwater Training

Responsible Department:

Town Engineer

Measurable Goal:

Year 2 – In Year 2, research public education and training material.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town Engineer determined NCTCOG training videos and courses as the best option for training.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

It is important for construction site procedures to enforce the Town ordinance in order to ensure proper stormwater practices on construction sites.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Construction Site Stormwater Runoff Control

BMP Title:

Contractor Comment

Responsible Department:

Town Administrator

Measurable Goal:

Year 2 – Address 100% of complaints or comments received from construction contractors.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town provides a contact number on the Town website for contractors to comment about proper stormwater practices during active construction sites. Preconstruction meetings were documented and attached with report.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

Providing contractors, a contact number to discuss stormwater issues allows for staff to address comments ensuring construction requirements are met.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

**Post – Construction Stormwater Management in
New Development and Redevelopment**

BMP Title:

Post-Construction Stormwater Requirement

Responsible Department:

Town Administrator

Measurable Goal:

Year 2 – Investigate 100% of post-construction violations or complaints.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Post-Construction Stormwater requirement was adopted in 2014 under the last permit term. Currently, there is no post-construction BMPs to inspect. Once the new subdivision's detention pond is constructed the Town will inspect the detention pond.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

It is important the Town be able to enforce the post-construction requirements for new development, and renewed development sites, so that stormwater pollutants are reduced for long term and that the post-construction controls work properly.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM: **Pollution Prevention and Good Housekeeping**

BMP Title: ***Appropriate Stormwater Pollution Prevention Controls***

Responsible Department: Town Administrator

Measurable Goal: Year 2 – Inspect 100% of municipal operations and maintenance activities each year.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town has conducted an annual inspection of the Town Hall property. Republic Services disposes or recycles waste from Town hall.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

Inspecting Town hall and implementing pollution prevention measures can reduce stormwater pollution within the MS4 facilities.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Pollution Prevention and Good Housekeeping

BMP Title:

Properly Dispose of Waste

Responsible Department:

Town Administrator

Measurable Goal:

Year 2 – In Year 2, research procedures to remove and properly dispose of waste.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town has researched procedures to remove and properly dispose of waste at Town facilities.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

Implementing procedures to properly remove and dispose of waste can reduce the amount of debris that can enter local waterways.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Pollution Prevention and Good Housekeeping

BMP Title:

Contractor Requirements and Oversight

Responsible Department:

Town Administrator

Measurable Goal:

Year 2 – In Year 2, research procedures to oversee that Town-hired contractors comply with stormwater control.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town has reviewed another City's contractual requirements for Town-hired contractors. Next year, the Town will develop a draft of contractual agreements.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

Implementing contractual requirements to contractors subject to stormwater requirements will ensure that contractors are using the appropriate control measures and standard operating procedures when working within the MS4.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM:

Pollution Prevention and Good Housekeeping

BMP Title:

Municipal Employee Training Program

Responsible Department:

Town Administrator

Measurable Goal:

Year 2 – In Year 2, research public education and training material.

1. Was the measurable goal accomplished for this permit year? Yes ☒ No ☐

(a) If so, explain what was done to accomplish the measurable goal.

The Town Engineer determined NCTCOG training videos and courses as the best option for training.

(b) If not, why was the measurable goal not accomplished?

2. Was this BMP appropriate to meet the intended MCM(s)? Yes ☒ No ☐

3. Was this BMP considered to be successful? Yes ☒ No ☐

(a) Please explain.

It is important that Town staff is educated on stormwater pollution, so that Town activities for Operation and Maintenance do not contribute to any pollution to the storm drains. Informing staff about common pollutant to stormwater and proper practices, can help reduce stormwater pollutants by identifying any problems as soon as they arise.

4. Are any changes to this BMP recommended for the next permit term? Yes ☐ No ☒

(a) If so, please explain.

5. Will a Notice of Change (NOC) be issued for this BMP? Yes ☐ No ☒