

Phase II MS4 Annual Report

for the



Stormwater Management Program

Year 1

(January 1, 2019 – December 31, 2019)

Permit Authorization Number: TXR040486



Texas Commission on Environmental Quality

March 2020

Prepared By



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JOS 17313



Phase II MS4 Annual Report Form TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040486

Annual Report Year: MS4 General Permit Year 1 (January 1, 2019 – December 31, 2019)

MS4 Operator Level: Level 1

Name of MS4/Permittee: City of Joshua

Contact Name: Mr. Mike Peacock, Assistant City Manager

Telephone Number: 817-558-7447

Mailing Address: 101 South Main Street
Joshua, TX 76058

Email Address: mpeacock@cityofjoshuatx.us

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 MS4 GP and SWMP (Part IV Section B.2(a))

1. Provide information on the status of complying with permit conditions: (Part V-Standard Permit Conditions)

	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	Children's Programs	Yes, educating children on the impact of stormwater pollution can have long-term impacts towards stormwater pollution prevention.
1	Household Hazardous Waste (HHW) Program	Yes, this program can lead to a reduction in hazardous waste that can potentially enter the storm drain.
1	Lawn and Garden Education	Yes, proper lawn and garden practices can prevent grass clippings and leaves from entering the storm drain.
1	Media Coverage	Yes, media coverage raises citizen awareness of stormwater pollution and what they can do to reduce pollution.
1	Pet Waste Management	Yes, teaching residents to pick up after their pets can decrease the amount of bacteria entering local waterways.
1	Recycling Program	Yes, the program can reduce the amount of trash entering landfills, which can lead to improved water quality.
1	Stakeholder Meeting	Yes, educating citizens, as well as City Council, is an important part of making residents aware of stormwater pollution and what they can do to reduce it.
1	Stream Cleanup	Yes, this program reduces the amount of trash in streams in the City.
1	Storm Drain Stenciling	Yes, a marker on the storm drains will remind residents that storm drains discharge directly to creeks and streams. This can prevent dumping and discharge of pollutants into the storm drain.
1	SWMP Annual Review	No, however, it is important review the program annually to ensure program is clear, specific, and measurable.
2	Illicit Discharge Ordinance	Yes, by allowing the City to enforce rules on non-stormwater discharges and illegal dumping, stormwater pollution can be reduced or prevented.
2	Storm Drainage Outfall Map	Yes, the map allows the City to easily track the source of an illicit discharge if it occurs.
2	Education & Training on Illicit Discharges	Yes, educating the City staff on identifying and taking corrective actions can eliminate future illicit discharges.
2	Public Reporting and Response Procedures	Yes, enabling citizens to report illicit discharges is very important for the City to locate and address the discharges in a timely manner.



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MCM	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (yes or no). Explain.
2	Source Investigation & Elimination	Yes, determining the source of an illicit discharge is important in order to begin corrective actions and eliminate future discharges.
3	Erosion and Sediment Control Ordinance	Yes, by allowing the City to enforce erosion and sediment control on construction sites, pollutants from stormwater runoff are reduced.
3	Construction Plan Review Procedures	Yes, the plan review ensures that future construction sites will have correct and adequate erosion and sediment control BMPs in place. This reduces the likelihood of stormwater pollution.
3	Construction Site Inspection & Enforcement	Yes, performing the site inspections will ensure proper installation and maintenance of erosion and sediment controls and reduce transport of sediment load.
3	Construction Stormwater Training	Yes, stormwater pollution can be reduced by properly training inspectors to identify, report, and correct improper erosion control practices on construction sites.
3	Construction Site Stormwater Education	Yes, educating contractors on BMPs to use on construction sites reduces the amount of pollutants in stormwater discharge from construction sites.
4	Post-Construction Ordinance	Yes, the ordinance allows the City to enforce post-construction runoff control measures to promote long-term reducing in stormwater pollution.
4	Long-Term Maintenance of Post-Construction BMPs	Yes, developing long-term operation and maintenance requirements ensures that post-construction BMPs will be maintained according to the City's criteria.
5	Facility & Stormwater Control Inventory	No, however it is important to identify City-owned facilities and stormwater controls in order to establish pollution prevention measures and sources of pollution.
5	Municipal Employee Training Program	Yes, by training employees to identify, and properly record, and respond to any illicit discharges or illegal dumping around the city, stormwater pollution be reduced.
5	Contractor Requirements & Oversight	Yes, the contractual requirements ensure that contractors are using appropriate control measures and standard operating procedures that actively reduce stormwater pollution when working within the MS4.
5	Municipal Operation & Maintenance Activities	Yes, the program identifies possible pollutants and remediation to limit or prevent pollutant runoff.



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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. Use a 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	Children's Programs	Number of Educational Materials Distributed	140	Educational Materials	No, but educating the youth on stormwater pollution is an important part of the stormwater program.
1	Household Hazardous Waste (HHW) Program	Vouchers Redeemed	4	Vouchers	No, but educating the public about stormwater pollution from hazardous wastes is an important part of the stormwater program.
1	Lawn and Garden Education	Number of Educational Materials Distributed	268	Educational Materials	No, however educating the public about proper lawn and garden practices can lead to a reduction of stormwater pollution.
1	Media Coverage	Number of Utility Bills Distributed	1864	Utility Bills	No, but educating the public about stormwater pollution is paramount to a successful program and raises awareness of stormwater pollution.
1	Pet Waste Management	Number of Educational Materials Distributed	268	Educational Materials	No, but educating the public about proper pet waste disposal can lead to a reduction on stormwater pollution
1	Recycling Program	Amount of Recycled Material	222	Tons	No, but a recycling program can reduce trash to the landfill which can reduce the propensity for stormwater pollution.
1	Stakeholder Meeting	Number of Attendees	0	Attendees	No, but educating the public and City Council is important for their understanding, acceptance, and implementation of the SWMP.
1	Stream Cleanup Event	Amount of Trash Collected	360	Cubic Yard	Yes, by directly removing debris and solids that would otherwise remain in the stream.
1	Storm Drain Stenciling	Number of Inlets Inspected	7	Inlets	No, but the program reinforces to residents that anything entering the storm drain discharges directly to creeks, which can ultimately lead to more awareness and reductions in pollutant discharges.



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MCM	BMP	Information Used	Quantity	Units	Does BMP Demonstrate a Direct Reduction in Pollutants? (yes or no, explain)
1	SWMP Annual Review	BMPs Reviewed	25	BMPs	No, however, reviewing the program and BMPs annually ensures the program is compliant with TPDES permit.
2	Illicit Discharge Ordinance	Illicit Discharge Inspections	1	Inspections	No, but regulating illegal dumping and illicit discharges prevents pollutants from entering the stormwater.
2	Storm Drainage Outfall Map	Outfalls Mapped	100%	Outfalls Mapped	No, but the BMP allows staff to easily track and address illicit discharges.
2	Education & Training on Illicit Discharges	Number of Attendees	9	Attendees	No, but providing educational information allows the staff to identify and take corrective actions on illicit discharges.
2	Public Reporting and Response Procedures	Illicit Discharge Reported	1	Reports	No, but it provides a mechanism for residents to contact the City if illicit discharge are noticed. Contact info has been included on the City's webpage.
2	Source Investigation & Elimination	Illicit Discharge Inspections	1	Inspections	No, but it is important that the City follows proper procedures for addressing the source of an illicit discharge to prevent any future illicit discharges.
3	Erosion & Sediment Control Ordinance	Construction Inspections	35	Inspections	No, but creating regulations that govern practices on construction sites reduces the amount of pollution in the storm drains and receiving waterbodies.
3	Construction Plan Review Procedures	Construction Plans Reviewed	2	Construction Plans	No, but it is important the City have proper review procedures to ensure that construction sites are enacting appropriate pollutant reducing BMPs.
3	Construction Site Inspection & Enforcement	Construction Inspections	35	Inspections	No, but it is important for the City to have proper inspection procedures to ensure the construction sites are complying the City's Erosion and Sediment Control Ordinance.



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MCM	BMP	Information Used	Quantity	Units	Does BMP Demonstrate a Direct Reduction in Pollutants? (yes or no, explain)
3	Construction Stormwater Training	Number of Attendees	9	Attendees	No, but it is important that inspectors be trained such that they can identify and correct improper erosion control practices and prevent stormwater pollution from construction sites.
3	Construction Site Stormwater Education	Number of Brochures Distributed	11	Brochures	No, but educating contractors about proper construction stormwater pollution prevention techniques can reduce the amount of pollutants in stormwater runoff.
4	Post-Construction Ordinance	Number of Post-Construction Violations	3	Inspections	No, but requiring developers to install post-construction runoff control measures reduces the long-term amount of pollution from the site.
4	Long-Term Maintenance of Post-Construction BMPs	Maintenance Plans Implemented	0	Maintenance Plans	Yes, developing long-term operation and maintenance requirements ensures post-construction BMPs will be maintained according to the City's criteria.
5	Facility & Stormwater Control Inventory	Number of Stormwater Controls	8	Stormwater Controls	No, however it is important to identify City-owned facilities and stormwater controls in order to establish pollution prevention measures and sources of pollution.
5	Municipal Employee Training	Number of Attendees	9	Attendees	No, but training employees to be cognizant of and report stormwater issues is important so that stormwater pollution may be prevented or reduced.
5	Contractor Requirements and Oversight	Number of Contractual Agreements	100%	Contractual Agreements	No, but implementing contractual requirements and oversight ensures that MS4-hired contractors are accountable to the MS4's pollution reduction goals.
5	Municipal Operations and Maintenance Activities	Facilities Inspected	5	Facilities	No, however performing the assessment on municipal operations and maintenance activities identifies possible pollutants and will help develop standard operating procedures to reduce and minimize pollutant discharges.



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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	A minimum of 20% of all schools (k-5) will be educated every year on stormwater pollution by providing local schools in the City with materials, including brochures, coloring books, and other media.	Exceeded goal. The City of Joshua distributed 140 educational books to 40% (2) of the preschools within the City limits.
1	Provide at least two educational post about household hazardous wastes and events through the City website and Facebook.	Met goal. The City advertised the HHW event on the City's newsletter. During the event 268 educational brochures were distributed.
1	Provide at least one household hazardous waste events a year.	Met goal. The City held a City-wide cleanup on April 26 th and October 18 th .
1	Annually, provide at least two educational post to residents about lawn and garden through the City website and Facebook.	Met goal. The City continues to provide lawn and garden information on the City's website and newsletter.
1	Annually, distribute informational brochure at two City events.	Met goal. A total of 268 lawn and garden brochures were distributed during the spring and fall event.
1	Provide stormwater information on the utility bill and City newsletter at least once a year.	Exceeded goal. The City provided a water conservation tip on the Utility Bill. The City also advertised and provided educational material on the newsletter twice.
1	Provide regular tips about protecting stormwater quality on social media at least twice a year.	Did not meet goal. The City did not provide regular stormwater tips on the Town's Facebook page. However, the Town provides stormwater education on the website and on handouts.
1	Provide at least two educational post to residents about proper pet waste disposal through the City's Newsletter and Facebook.	Met goal. The Town provides pet waste education on the City's website and distributed 268 brochures with pet waste tips.
1	Distribute informational brochure at two City events every year.	Met goal. The City of Joshua provided 268 brochures about stormwater at the Spring and Fall Cleanup Event.
1	City will provide recycling for residents at once a week.	Met goal. The City of Joshua continues to provide recycling to residents once a week.
1	Provide at least two educational post to residents about recycling through the City website and Facebook.	Met goal. The City distribute 268 brochures with recycling information and provides recycling information on the City's website.



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MCM	Measurable Goal	Success
1	Provide 1 public notice inviting constituents to participate in public meetings about stormwater.	Did not meet goal. The City plans to conduct a Stakeholder meeting for Year 2.
1	Advertise the event on the City website, through the newsletter and any other means.	Met goal. The City advertised the Stream Cleanup event on the City's website page.
1	Hold at least one stream cleanup event per year.	Met goal. The City of Joshua held a stream cleanup event with 189 volunteers collecting 360 cy of waste.
1	Inspect and maintain as needed for 20% of stenciled inlets.	Exceeded goal. The Town of Joshua stenciled 25% (7) inlets for Year 1.
1	Annually review SWMP to ensure compliance.	Met goal. The Town reviewed the program and deemed a few changes necessary.
2	Conduct 100% of illicit discharge inspections.	Met goal. The City conducted 100% (1) of illicit discharge inspection.
2	Investigate 100% of illicit discharges reported.	Met goal. The City investigated 100% (1) of illicit discharge reported.
2	Annually update the storm drainage system map as necessary.	Met goal. 100% of the outfalls have been mapped.
2	Provide annual IDDE training at least once a year for designated City staff and new hires.	Met goal. A total of 9 employees attended IDDE training.
2	Investigate 100% of illicit discharge complaints or reports received.	Met goal. The City investigated 100% (1) illicit discharge reported.
2	Conduct 100% of illicit discharge inspections	Met goal. The City conducted 100% (1) of illicit discharge inspection.
2	Investigate 100% of illicit discharges reported.	Met goal. The City investigated 100% (1) of illicit discharge reported.
3	Inspect 100% of construction sites each year.	Met goal. For Year 1, the City of Joshua conducted 35 construction sites at 7 various sites.
3	Inspect 100% of complaints driven site each year.	Met goal. The City investigate 100% of construction complaints.
3	Administer the construction plan review process for 100% of new regulated construction projects.	Met goal. The City administered construction plan review to two construction projects.



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MCM	Measurable Goal	Success
3	Inspect 100% of construction sites each year.	Met goal. The City inspected 7 active construction sites.
3	Inspect 100% of complaints driven site each year.	Met goal. The City inspected complaint driven sites this year.
3	Conduct annual construction stormwater training at least once a year for designated City staff and new hires.	Met goal. A total of 9 employees attended Construction Stormwater training.
3	Provide construction site erosion control education guideline to 100% of contractors and homebuilders at preconstruction meetings or with the building permit.	Met goal. The City distributed construction brochures to contractors and homebuilders at preconstruction meetings.
4	Investigate 100% of post-construction violations or complaints.	Met goal. The City inspected post-construction BMPs within the City limits.
4	Implement maintenance plans for 100% of new owners or operators once post-construction BMPs is installed.	Met goal. No new post-construction BMPs have been installed, but the City will implement maintenance plan once BMPs are installed.
5	Maintain an inventory of City-owned and operated facilities and stormwater controls and update as necessary.	Met goal. The City maintained an inventory of City-owned and operated facilities.
5	Provide annual municipal employee training at least once a year for designated staff and new hires.	Met goal. A total of 9 employees attended Municipal Employee training.
5	Implement contract requirements to 100% of new contractors.	Met goal. There were no new contractors this year.
5	Maintain contracts with current contractors and revise as necessary.	Met goal. The City continues to maintain contractual requirements with current contractors.
5	Inspect 100% of municipal operations and facilities once a year.	Met goal. The City conducted inspection for 100% (5) municipal facilities.



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C. Stormwater Data Summary (Part IV Section B.2. (b))

1. The MS4 has conducted analytical monitoring and visual observation of stormwater quality and submitted in the annual report.



Yes



No

- a. Explain below or attach a summary to submit along with any monitoring data used to evaluate the success of the SWMP at reducing pollutants to the maximum extent practicable. Be sure to include a discussion of results.

- Public Reporting & Response Procedures
 - The City actively encourages, tracks, and responds to residents' observations of illicit discharges. While this does not require City forces to actively monitor, it allows for more "boots on the ground", more visual coverage, and city awareness and response.
- Source Investigation and Elimination
 - The City has developed written procedures for responding to illicit discharges including inspections, investigations, and corrective actions. Additionally, City staff that are routinely exposed to pollutant sources are trained to monitor and observe conditions as part of their day-to-day operations.
- Construction Site Inspections and Enforcement
 - This BMP requires city stormwater personnel to be actively monitoring construction sites for stormwater pollutants.
- Municipal Operation and Maintenance Activities
 - Observing the municipal operations and maintenance activities identifies possible pollutants that can be discharged into storm drains. In future years, the City has identified a BMP that will define monitoring and inspection frequencies which will result in active monitoring and observance of potential pollution.

D. Impaired Waterbodies (Part IV Section B.2. (c))

1. If applicable, explain below or attach a summary of 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:

- The main receiving streams within The City of Joshua are Buffalo Creek and Village Creek (#0828A). The state classified water body that ultimately receives the discharge from Joshua is Lake Arlington (#0828). While these waterbodies are not located within a TMDL watershed, Village Creek is listed as impaired on the TCEQ 2014 303d Impaired Waterbodies List for bacteria. The City of Joshua has implemented BMPs specifically targeting bacteria, including Pet Waste Management, Illicit discharge Ordinance, and Stream Cleanups. The City will determine the effectiveness of these BMPs throughout the permit term and make any changes as needed.

2. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL (Part II Section D.4.(a)).

- Not applicable. The City of Joshua discharges into an impaired water body (Village Creek) without an approved TMDL by TCEQ and EPA.



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3. Report the benchmark identified by the MS4 and assessment activities (Part II Section D.4.(a)(6)).

- Not applicable. The City of Joshua discharges into an impaired water body (Village Creek) without an approved TMDL by TCEQ and EPA.

4. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark (Part II Section D.4.(a)(4)).

- Not applicable. The City of Joshua discharges into an impaired water body (Village Creek) without an approved TMDL by TCEQ and EPA.

5. If applicable, report on focused BMPs to address impairment (Part II Section D.4.(a)(5)).

- Not applicable. The City of Joshua discharges into an impaired water body (Village Creek) without an approved TMDL by TCEQ and EPA.

6. Describe progress in achieving the benchmark (Part II Section D.4.(a)(6)).

- Not applicable. The City of Joshua discharges into an impaired water body (Village Creek) without an approved TMDL by TCEQ and EPA.



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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	Children's Programs	Distribute educational material to local elementary and middle school.	The City will continue to distribute educational material to local schools.
1	Household Hazardous Waste (HHW Program)	Provide at least two educational post about household hazardous wastes and events through the City website and Facebook.	The City will provide educational post about household hazardous waste and events through social media.
1	Household Hazardous Waste (HHW Program)	Provide at least one household hazardous wastes events a year.	The City will continue to provide this service to City residents.
1	Lawn and Garden Education	Annually, provide at least two educational post to residents about lawn and garden through the City website and Facebook.	The City will continue to provide lawn and garden education through social media.
1	Lawn and Garden Education	Annually, distribute informational brochure at 1 City event.	The City will provide educational material about proper lawn and garden practices.
1	Media Coverage	Provide stormwater information on the utility bill and City newsletter at least once a year.	The City will continue to post information about the SWMP and stormwater on the utility bill or City newsletter.
1	Media Coverage	Provide regular tips about protecting stormwater quality on social media at least twice a year.	Provide stormwater tips on social media.
1	Media Coverage	Post SWMP on City's website no later than 30 days after the approval date.	The City will post the SWMP on City's website no later than 30 days after approval date.
1	Media Coverage	Post annual reports on City's website no later than 30 days after the due date.	The City will post the annual report no later than 30 days after the due date.



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MCM	BMP	Stormwater Activity	Description/Comments
1	Pet Waste Management	Provide at least two educational post to residents about proper pet waste disposal through the City's Newsletter, Facebook, and Twitter.	The City will provide educational material to inform residents about proper pet waste disposal.
1	Pet Waste Management	Distribute informational brochure at two City events every year.	The City will provide pet waste stations at City events.
1	Recycling Program	City will provide recycling for residents at once a week.	The City will continue to provide recycling program to residents.
1	Recycling Program	Provide at least two educational post to residents about recycling through the City website and Facebook.	The City will continue to educate residents about recycling through social media.
1	Stakeholder Meeting	Provide public notice inviting constituents to participate in public meetings about stormwater	The City will continue to present to City Council and inform the public about the SWMP progress.
1	Stream Cleanup Event	Advertise the event on the City website, through the newsletter and any other means.	The City will advertise the stream cleanup event through any means.
1	Stream Cleanup Event	Hold at least one stream clean up event per year	The City will hold at least one stream clean up event per year.
1	Storm Drain Stenciling	Inspect and maintain as needed for 20% of stenciled inlets.	The City will continue to mark 20% of its inlets each year.
1	SWMP Annual Review	Annually review SWMP to ensure compliance.	The City review the SWMP annually to ensure compliance.
2	Illicit Discharge Ordinance	Conduct 100% of illicit discharge inspections.	The City will inspect 100% of illicit discharge inspections.
2	Illicit Discharge Ordinance	Investigate 100% of illicit discharges reported.	The City will investigate 100% of illicit discharges reported.



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MCM	BMP	Stormwater Activity	Description/Comments
2	Storm Drainage Outfall Map	Annually, update the storm drainage system map as necessary.	The City will annually update the storm drainage system.
2	Education and Training on Illicit Discharges	Provide annual IDDE training at least once a year for designated City staff and new hires.	The City will provide illicit discharge training for pertinent City staff and document attendees and training materials used.
2	Public Reporting and Response Procedures	Investigate 100% of illicit discharge complaints or reports received.	The City will continue to investigate illicit discharge complaints or reports received.
3	Source Investigation and Elimination	Conduct 100% of illicit discharge inspections.	The City will conduct 100% of illicit discharge inspections.
3	Source Investigation and Elimination	Investigate 100% of illicit discharges reported.	The City will investigate 100% of illicit discharges reported.
3	Erosion & Sediment Control Ordinance	Inspect 100% of construction sites each year.	The City will inspect 100% of construction sites each year.
3	Erosion and Sediment Control Ordinance	Inspect 100% of complaints driven site each year.	The City will inspect 100% of complaints driven site each year.
3	Construction Plan Review Procedures	Administer the construction plan review process for 100% of new regulated construction projects.	The City will continue to administer the review process for all new construction.
3	Construction Site Inspections and Enforcement	Inspect 100% of construction sites each year.	The City will administer the inspection and enforcement program and document construction site inspections and follow ups.
3	Construction Site Inspections and Enforcement	Inspect 100% of complaint driven site each year.	The City will inspect 100% of complaint driven site each year.
3	Construction Stormwater Training	Conduct annual construction stormwater training at least once a year for designated City staff and new hires.	The City will conduct construction stormwater training at least once a year.



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MCM	BMP	Stormwater Activity	Description/Comments
3	Construction Site Stormwater Education	Provide construction site erosion control education guideline to 100% of contractors and homebuilders at preconstruction meetings or with the building permit.	The City will continue to provide the construction brochure to contractors and homebuilders.
4	Post Construction Ordinance	Investigate 100% of post-construction violations or complaints.	The City will implement and enforce the newly adopted post-construction ordinance, and document and maintain any enforcement actions take.
4	Long-Term Maintenance of Post-Construction BMPs	Implement maintenance plans for 100% of new owners or operators once post-construction BMPs is installed.	The City will develop requirements for the long-term operation and maintenance of structural controls installed on the development sites.
5	Facility and Stormwater Control Inventory	Maintain an inventory of City-owned and operated facilities and stormwater controls and update as necessary.	The City will maintain an inventory of City-owned and operated facilities and stormwater controls.
5	Municipal Employee Training Program	Provide annual municipal employee training at least once a year for designated staff and new hires.	The City will hold a training program for the designated city staff and document with attendance signatures.
5	Contractor Requirements and Oversight	Implement contract requirements to 100% of new contractors.	The City will implement the oversight procedures and execute revised contractual agreements.
5	Contractor Requirements and Oversight	Maintain contracts with current contractors and revise as necessary.	The City will continue to maintain contracts with current contractors.
5	Municipal Operation and Maintenance Activities	Inspect 100% of municipal operations and facilities once a year.	The City will develop pollution prevention measures for municipal O&M activities and select inspection frequencies.



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

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

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Yes

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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.

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Yes

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No

G. Additional BMPs (Part IV Section B.2.(f))

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

No additional BMPs are necessary for the City of Joshua 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 named permittee 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 projects in the jurisdiction of the MS4 where the permittee was not the construction site operator (as provided in submittals to the MS4 operator via notices of intent or site notices). _____7_____

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

☐

Yes

☒

No

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



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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: Josh Jones

Title: City Manager

Signature: _____

Date: _____



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM: *Public Education, Outreach, and Involvement*

BMP Title: *Children's Program*

Responsible Department: Public Works

Measurable Goal: Year 1 – A minimum of 20% of all schools (k-5) will be educated every year on stormwater pollution by providing local schools in the City with materials, including brochures, coloring books, and other media.

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 City of Joshua has distributed 140 TCEQ Lone Star Activity books to JUMPS Preschool and FUMC Joshua Children's ministry.

(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 students with informational stormwater information and tips is an important part of the stormwater management program. Educating children on the impact of stormwater pollution can have long-term impacts towards stormwater pollution prevention.

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: **Household Hazardous Waste (HHW) Program**

Responsible Department: Public Works

Measurable Goal: Year 1 – Provide at least two educational post about household hazardous wastes and events through the City website and Facebook. Provide at least one household hazardous waste events a 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 City has advertised the HHW event on the City's newsletter and distributed 268 HHW brochures during the Spring and Fall cleanup event. Joshua held Household Hazardous Waste event on October 19, 2018 that allowed residents to bring drop of HHW products. Four households participated in the event.

(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.

If not properly disposed of, HHW can contribute to pollutants found in stormwater. Educating the public and providing them with an easy and effective way to dispose of their hazardous waste, the City reduces the pollution in stormwater.

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: ***Lawn and Garden Education***

Responsible Department: Public Works

Measurable Goal: Year 1 – Annually, provide at least two educational post to residents about lawn and garden on through the City website and Facebook. Annually distribute informational brochure at 1 City 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 City provided its residents with educational information on Lawn and Garden care on the City's website and Newsletter. The educational information includes information about yards pests, mulching and composting, and water conservation. During the Spring and Fall cleanup event the City distributed 268 brochures about yard waste.

(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.

By educating the public about yard waste management and providing them with an effective way to dispose of their grass clippings, the City reduces the pollution to stormwater.

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: **Media Coverage**

Responsible Department: Public Works

Measurable Goal: Year 1 – Provide stormwater information on the utility bill and City newsletter at least once a year. Provide regular tips about protecting stormwater quality on social media at least twice a 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 City provided a water conservation tip on the utility bill. This year, the City posted stormwater information on the newsletter twice. The April newsletter included information about yard waste and the October newsletter advertised the HHW event. During the Spring and Fall cleanup event 268 brochures about pet waste, recycling, yard waste and HHW were distributed.

(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 residents information and tips about stormwater pollution is an important part of the stormwater management program. Having a separate tab for stormwater information on the website is useful for the City to convey information to the public.

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: ***Pet Waste Management***

Responsible Department: Public Works

Measurable Goal: Year 1 – Provide at least two educational post to residents about proper pet waste disposal through the City's Newsletter, Facebook, and Twitter. Distribute informational brochure at one City events every 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.

Pet waste information is made available on the City's website and on pet waste flyers are provided at City hall and the animal shelter. During the Spring and Fall cleanup event, the City distributed 268 pet waste brochures.

(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.

Educating the City of the harmful effects from pet waste and how to dispose of it properly, reduces the contamination of streams, ponds, and lakes, but also increases public awareness of a health risk to pets and people.

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:

Recycling Program

Responsible Department:

Public Works

Measurable Goal:

Year 1 – City will provide recycling for residents at once a week. Provide at least two educational post to residents about recycling through the City website and Facebook.

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 City continues to provide recycling information to residents on the City's website. Recycling services are provided to residents once a week. During the Spring and Fall Cleanup event, the Town distributed 268 recycling flyers. For Year 1, a total of 222 tons of recycling material was collected.

(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.

Encouraging residents to recycle means less trash to the landfill, as well as less litter. This can reduce the amount of floatables and contaminants that 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: **Public Education, Outreach, and Involvement**

BMP Title: **Stakeholder Meeting**

Responsible Department: Public Works

Measurable Goal: Year 1 – Provide 1 public notice inviting constituents to participate in public meetings about stormwater.

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

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

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

The City did not host a public meeting about stormwater for Year 1. The City plans to host a public meeting for Year 2.

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 BMP was considered unsuccessful because it was not completed. The City understands the importance of getting the public involved in understanding stormwater and its effect on the environment in an important aspect of the stormwater management program. With more people aware of their actions, hopefully the end result is less pollution in our 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:

Public Education, Outreach, and Involvement

BMP Title:

Stream Cleanup Event

Responsible Department:

Public Works

Measurable Goal:

Year 1 – Advertise the event on the City website, through the newsletter and any other means. Hold at least one stream cleanup event 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 City invited the community to participate in a stream clean up event scheduled on November 8, 2019, by advertising on the City's website. The stream cleanup event was considered a success with 189 volunteers and 360 cy of waste collected.

(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.

Getting the public involved in environmental issues is an important part of the stormwater program. Keeping the City's streams and channels clear from trash and debris lead to better water quality.

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: **Storm Drain Stenciling**

Responsible Department: Public Works

Measurable Goal: Year 1 – Inspect and maintain as needed for 20% of stenciled inlets.

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 City marked 25% or 7 inlets. The City of Joshua also performed maintenance on inlets in Joshua meadows area and Bentley Drive.

(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.

Stenciling on the storm drain inlets remind residents that the drains are directly connected to creeks and streams, discouraging any illegal dumping that could pollute storm water.

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: **SWMP Annual Review**

Responsible Department: Public Works

Measurable Goal: Year 1 – Annually review SWMP to ensure compliance.

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 City of Joshua reviewed the SWMP and all 25 BMPs. No revisions were deemed necessary.

(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 review the SWMP annually to ensure BMPs are clear, specific and measurable.

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: Public Works

Measurable Goal: Year 1 – Conduct 100% of illicit discharge inspections.
Investigate 100% of illicit discharges reported.

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 City developed an illicit discharge ordinance that was adopted November 19, 2015 and continues to be enforced. For Year 1, there was 1 incident of an illicit discharge. It was reported that a garbage dumpster was leaking. Issue was investigated and resolved in a timely manner. The City also inspected and performed maintenance at 12 locations.

(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 City 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: ***Storm Drainage Outfall Map***

Responsible Department: Public Works

Measurable Goal: Year 1 – Annually update the storm drainage system map as necessary.

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 City has created a storm drainage system outfall map with 100% of the outfalls mapped by hand. Outfall map is available at City offices.

(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 City has successfully mapped 80% of the City outfalls in a GIS map. The map can be used to track the location of illicit discharges within the City.

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: Public Works

Measurable Goal: Year 1 – Provide annual IDDE training at least once a year for designated City staff and new hires.

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 City of Joshua conducted IDDE training on August 14, 2019. Attendees included Public Works, Code Enforcement, and Streets equaling a total of 9 City employees.

(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.

Educating and training the staff on illicit discharges is important because it identifies any possible illicit discharges and how to resolve them. Reporting and acting 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: **Illicit Discharge Detection and Elimination**

BMP Title: ***Public Reporting & Response Procedures***

Responsible Department: Public Works

Measurable Goal: Year 1 – Investigate 100% of illicit discharge 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 City has a posted number to report illegal dumping on the website. There was 1 incident reported. The City address the illicit discharge in a timely manner and

- (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.

Allowing the public to be part of a reporting system helps target illicit discharges in a timely manner. Making citizens aware of the problem, and having a line of communication with the City can prevent illicit discharges and 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: **Illicit Discharge Detection and Elimination**

BMP Title: ***Source Investigation and Elimination***

Responsible Department: Public Works

Measurable Goal: Year 1 – Conduct 100% of illicit discharge inspections.
Investigate 100% of illicit discharges reported.

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

For Year 1, there was 1 incident of an illicit discharge. It was reported that a garbage dumpster was leaking. Issue was investigated and resolved in a timely manner. The City also inspected and performed maintenance at 12 locations.

(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 residents to be informed on how to respond to a spill or an illicit discharge. Unattended illicit discharge can cause harm its residents or the environment.

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 & Sediment Control Ordinance

Responsible Department:

Public Works

Measurable Goal:

Year 1 – Inspect 100% of construction sites each year. Inspect 100% of complaint driven site 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 City continues to enforce the construction ordinance. For Year 1, Joshua conducted 35 construction inspections at 7 various locations. The projects sites include Joshua Meadows, Antares, Heritage, Joshua Storage, Lillian, and Wildwood.

(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 City 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 Plan Review Procedures**

Responsible Department: Public Works

Measurable Goal: Year 1 – 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 City has administered the construction plan review procedures for D-BAT Academy and Heritage Phase II.

- (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.

Plan review ensures the construction sites will have correct and adequate erosion and sediment controls, in order to prevent 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:

Construction Site Stormwater Runoff Control

BMP Title:

Construction Site Inspection and Enforcement

Responsible Department:

Public Works

Measurable Goal:

Year 1 – Inspect 100% of construction sites each year. Inspect 100% of complaint driven site 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 City conducted various inspection and enforcement at Joshua Meadows, Wildwood, 4th Street, Joshua Self Storage, and Cooper Valley during active construction.

(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: Public Works

Measurable Goal: Year 1 – Conduct annual construction stormwater training at least once a year for designated City staff and new hires.

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 City held the Construction Stormwater Training September 9, 2018. A video presentation was shown to Public Works, Parks, Fire Department, Street Department, and Code Compliance.

(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 the City staff is properly educated and trained on construction stormwater to ensure that all construction sites in the City are taking the necessary requirements to reduce stormwater 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 Stormwater Education**

Responsible Department: Public Works

Measurable Goal: Year 1 – Provide construction site erosion control education guideline to 100% of contractors and homebuilders at preconstruction meetings or with the building permit.

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 City has developed a Construction Guide aimed at educating contractors, developers and builders. The guide provides requirements for proper waste storage and disposal at construction sites. The pamphlet will be displayed at the City Hall front lobby where contractors, developers and homebuilders pickup building permits and attend preconstruction meetings. The guideline will also be posted on the City 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.

This BMP is successful at educating contractors, developers, and homebuilders about what the City of Midlothian requires to prevent erosion and sediment runoff from 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: **Post-Construction Stormwater Management in New Development and Redevelopment**

BMP Title: **Post-Construction Ordinance**

Responsible Department: Public Works

Measurable Goal: Year 1 – 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 City developed an illicit discharge ordinance that was adopted November 19, 2015 and continues to enforce the ordinance. There have been no incidents to 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.

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

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: ***Long-Term Maintenance of Post-Construction BMPs***

Responsible Department: Public Works

Measurable Goal: Year 1 – Implement maintenance plans for 100% of new owners or operators once post-construction BMPs is installed.

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 City has developed requirements for long-term operation and maintenance of structural controls. The stipulations of maintenance is recorded on the final plat and is filed with the county. Detention pond have been inspected as part of the long-term maintenance plan.

- (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.

Developing long-term operation and maintenance requirements ensures post-construction BMPs will be maintained according to the City's criteria.

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/Good Housekeeping for Municipal Operations**

BMP Title: ***Facility and Stormwater Control Inventory***

Responsible Department: Public Works

Measurable Goal: Year 1 – Maintain an inventory of City-owned and operated facilities and stormwater controls and update as necessary.

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 City prepared an inventory of City-owned and operated facilities and stormwater controls in the MS4.

- (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.

Preparing and maintaining an inventory of City-owned facilities tracks possible sources or pollutants 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/Good Housekeeping for Municipal Operations**

BMP Title: ***Municipal Employee Training Program***

Responsible Department: Public Works

Measurable Goal: Year 1 – Provide annual municipal employee training at least once a year for designated staff and new hires.

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 Parks & Recreation, Public Works, Code Enforcers, and Fire department attended the Municipal Employee Training on September 18, 2018. The training was over how employees can reduce stormwater pollution by practicing effective BMPs, such as cleaning up a spill and covering waste.

(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 the City staff be educated on stormwater pollution, so that City activities for Operation and Maintenance do not contribute to any pollution to the storm drains. In addition, the more staff knowledgeable about common pollutants to stormwater, and proper practices, the more stormwater pollutants can be reduced 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 ☒



STORMWATER MANAGEMENT PROGRAM

ANNUAL REPORT FORM

MCM: **Pollution Prevention/Good Housekeeping for Municipal Operations**

BMP Title: ***Contractors Requirements and Oversight***

Responsible Department: Public Works

Measurable Goal: Year 1 – Implement contract requirements to 100% of new contractors. Maintain contracts with current contractors and revise as necessary.

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 City of Joshua implemented contractual requirements for City-hired contractors subject to stormwater program requirements.

(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 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/Good Housekeeping for Municipal Operations**

BMP Title: ***Municipal Operation and Maintenance Activities***

Responsible Department: Public Works

Measurable Goal: Year 1 – Inspect 100% of municipal operations and facilities once a 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 City has developed pollution prevention measures for municipal operations and activities that have the potential for pollutant 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.

Developing pollution prevention measures for municipal O&M activities can reduce stormwater pollution within the MS4 facilities and maintenance.

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 ☒