



March 22, 2023

Texas Commission on Environmental Quality
Stormwater Team Leader (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for City of Crowley
TPDES Authorization: TXR040000

Dear Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System Small Municipal Separate Storm Sewer System General Permit, Authorization Number TXR040000 for the City of Crowley.

The annual report is for Year 4. The reporting period's beginning January 1, 2022 and ending December 31, 2022.

A separate Notice of Change has not been submitted based on the fact that changes have not been proposed for the next permit year.

As required by the general permit, a copy of the report has been mailed to the TCEQ's regional office 4 in Fort Worth, Texas.

Sincerely,

Robert Loftin
City Manager
City of Crowley

Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040000

Reporting Year: 4

Annual Reporting Year Option Selected by MS4:

Calendar Year: 2022

Permit Year: _____

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

Reporting period beginning date: 01/01/2022

Reporting period end date: 12/31/2022

MS4 Operator Level: 2 Name of MS4: City of Crowley

Contact Name: Kathy Moore Telephone Number: 817-297-2201

Mailing Address: 201 E. Main Street Crowley, Texas 76036

E-mail Address: kmoore@ci.crowley.tx.us

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

Region the annual report was submitted to: TCEQ Region 4

B. Status of Compliance with the MS4 GP and SWMP

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

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		Reporting on year 4 of new permit. (New permit has received approval 2/8/23)
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		

Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		

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

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1: Public Education, Outreach & Involvement	City Cleanup Event	Yes , this program is designed to reduce the amount of litter and to gets the public involved in decreasing the amount of pollution entering local waterways.
1: Public Education, Outreach & Involvement	Fats, Oils, and Grease Education	Yes , FOG education can help reduce sanitary sewer overflows. Reduction of sanitary sewer overflows directly impacts water quality.
1: Public Education, Outreach & Involvement	Household Hazardous Waste (HHW) Program	Yes , this program aids in the collection of waste that could otherwise enter the storm drain system.
1: Public Education, Outreach & Involvement	Media Coverage	Yes , media coverage raises citizen awareness of stormwater pollution and what can be done to reduce pollution.
1: Public Education, Outreach & Involvement	Recycling Program	Yes , the program encourages households to recycle which reduces the amount of trash entering into landfills, leading to improved water quality.
1: Public Education, Outreach & Involvement	Texas SmartScape Education	Yes , Smart stormwater practices use native plants, soil and natural processes to manage stormwater where it lands. By managing precipitation to slow the flow, it can be promptly collected, filtered and absorbed into the soil.

1: Public Education, Outreach & Involvement	Stormwater Education Web Page	Yes , The City now has a dedicated stormwater education webpage which is an effective communication tool that provides information to anyone seeking knowledge regarding the stormwater management program.
1: Public Education, Outreach & Involvement	Youth Education	Yes , when you educate young people to understand the importance of preventing polluted stormwater runoff and to protect our water resources it's an investment in the future and encourages positive behavior.
1: Public Education, Outreach & Involvement	Stormwater Education at Special Events	Yes , educating the public with stormwater brochures, giveaways, facts and tips during special events throughout the year raises awareness and is a cost-effective way to disseminate information to the public regarding ways to protect stormwater from pollution.
1: Public Education, Outreach & Involvement	SWMP Annual Review	No , however, it is important to review the program to ensure it is clear, specific and measurable.
2: Illicit Discharge Detection & Elimination	Storm Drain System Map	Yes , the map allows for easier identification of potential sources of pollutants and discharges.
2: Illicit Discharge Detection & Elimination	Education and Training on Illicit Discharges	Yes , educating staff on identifying illicit discharges provides for a quicker response time for taking corrective actions.
2: Illicit Discharge Detection & Elimination	Public Reporting & Response Procedures	Yes , the City's web-based "Report a Concern" module allows citizens to report illicit discharges or illegal dumping concerns 24-hours a day, 7-days a week allowing for quick responses.
2: Illicit Discharge Detection & Elimination	Investigation and Elimination	Yes , determining the source of illicit discharge is important for corrective action and to eliminate future issues.
2: Illicit Discharge Detection & Elimination	Detection and Elimination of Illicit Sanitary Sewer Discharges	Yes , this directly reduces the number of sanitary sewer discharges into the waterbodies.
3: Construction Site Stormwater Runoff Control	Erosion & Sediment Control Requirements	Yes , the current erosion/sediment control ordinance allows the City to enforce controls on construction sites, which reduces pollutants in stormwater runoff.

3: Construction Site Stormwater Runoff Control	Construction Plan Review Procedures	Yes , the plan review process ensures that construction sites will have the correct /adequate measures in place, which reduces the chance of stormwater pollution.
3: Construction Site Stormwater Runoff Control	Construction Site Inspections and Enforcement	Yes , performing site inspections ensures proper installation and maintenance of erosion/sediment controls and ensures that signs of pollutant discharges are remediated.
3: Construction Site Stormwater Runoff Control	Construction Stormwater Training	Yes , proper training helps staff to identify, report, and correct improper practices at construction sites; which helps to eliminate stormwater pollution.
3: Construction Site Stormwater Runoff Control	Construction Site Stormwater Education	Yes , this allows the City to educate construction site workers on stormwater regulations and enforcement; which leads to less stormwater pollution.
4: Post-Construction Stormwater Management in New Development & Redevelopment	Post Construction Ordinance	Yes , the ordinance allows the City to enforce post construction control measures; promoting long-term reduction of stormwater pollutants.
4: Post-Construction Stormwater Management in New Development & Redevelopment	Long-Term Maintenance of Post-Construction BMP's	Yes , developing long-term maintenance requirements ensures that post-construction best management practices will be maintained according to the City's criteria.
4: Post-Construction Stormwater Management in New Development & Redevelopment	Landscape Ordinance	Yes , the requirement of specified landscape designs helps protect water quality in local creeks and waterways. These landscape designs reduce polluted runoff and help prevent creek erosion.
4: Post-Construction Stormwater Management in New Development & Redevelopment	Develop Naturally Brochure	Yes , Nature-based stormwater management strategies allow the ground to absorb and filter stormwater, resulting in reduced amounts of runoff and runoff pollution. When stormwater stays close to where it falls, less soil erosion occurs and fewer pollutants are carried to surface water.

5: Pollution Prevention/Good Housekeeping for Municipal Operations	Facility and Stormwater Control Inventory	Yes , Identifying City owned facilities and stormwater controls will help to establish pollution prevention measures and sources of pollutions.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Municipal Employee Training Program	Yes , training employees to identify, record and respond to illicit discharges and illegal dumping promotes awareness of stormwater pollution and helps to minimize and/or prevent any adverse impacts.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Contractor Requirements and Oversight	Yes , the implementation of contractor requirements and oversight ensures that contractors are using appropriate control measures and procedures when performing maintenance activities on behalf of the city.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Municipal Operations and Maintenance Activities	Yes , implementing prevention measures for maintenance operations and activities reduces the potential for discharge of pollutants to the storm drains.
5: Pollution Prevention/Good Housekeeping for Municipal Operations	Street and Parking Lot Sweeping Program	Yes , this practice establishes a proactive maintenance approach to reduce pollutants. City crews schedule and perform sweeping activities throughout the year to decrease the amount pollutants being discharged into the storm drain system.

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

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	City Cleanup Event	<p>Advertise cleanup event on City's Website/Facebook at least once per year</p> <hr/> <p>Coordinate at least one annual cleanup event</p>	<p>Two events were held in March & September and were posted 8 times on City's Website /Newsletter reaching approximately 1062 households each post;</p> <p>Social Media Post reaching over 2000;</p> <p>Event: 103 Participants; picked up 1,225 lbs. of trash over 3 parks and 1 ½ miles of roadway/ creek ways</p>	<p>Brochures; Website; Newsletter; Social media views; Participants</p>	<p>Yes, these events are a way to involve citizens, groups and businesses to prevent pollutants, trash, and hazardous materials from entering the waterway</p>
1	Fats, Oils, and Grease Education	<p>Provide link to Website for FOG educational materials</p> <hr/> <p>Post on Social Media</p> <hr/> <p>Utility Bill Inserts</p>	<p>Fog Link on Webpage; Educational post on social media with 3066 views; and send out on City's newsletter reaching 1050 households; FOG reminders was added to the utility bills 3 times in 2022 reaching an average of 6300 households each month</p>	<p>Webpage; Social media views; Utility bills</p>	<p>Yes, By educating the public on the effects of FOG can lead to the reduction of sanitary sewer overflows</p>

1	Household Hazardous Waste (HHW) Program	<div>Host annual HHW event</div> <div>Post HHW on social media</div> <div>Inter-local agreement with Fort Worth voucher program</div>	An HHW collection event was held September 17, 2022; 24 Citizens dropped off HW materials to the Crud Cruiser 2 post on social media with 936 views; 4 weekly Newsletter postings reached 1053 households each week; 7 vouchers were redeemed	Event; Social media views; Newsletter; Voucher	Yes , these programs offer citizens a proper way to dispose of household hazardous waste that could otherwise end up in the storm drain.
1	Media Coverage	<div>Provide stormwater information on utility bill</div> <div>Provide stormwater tips on social media</div>	Utility bills approx. 6300 households; 8 post on social media/newsletter reaching 15768 viewers	Utility bills; Social media views; Newsletter	No , stormwater information does not directly reduce pollutants. However, it is a continual means to communication and share information.
1	Recycling Program	<div>Provide curbside residential recycling</div> <div>Provide recycling post on social media</div> <div>Welcome to Crowley brochures</div>	6300 residents have weekly recycle services; 600 brochures were distributed; Recycling / Earth Day post were made throughout the year, reaching 2772 viewers; and Welcome packets are handed out to new residents.	Residents; Brochures; Social media post	Yes , this program reduces the amount of trash to landfills which can reduce the propensity for stormwater pollution.
1	Texas SmartScape Education	<div>Texas SmartScape website link</div> <div>Distribute flyers at events</div>	SmartScape link is on website; Participated in conservation webinars with TRWD throughout the summer/fall; Flyers and Texas Landscaping Guides were distributed at five (5) events	Webpage; Participants; Events	No , however native plants often have deeper and a more extensive root system that prevent erosion and provide extra filtration.

1	Stormwater Education Webpage	Create webpage (year 3) Post SWMP to website Post annual report	The City has a dedicated stormwater management webpage which provides multiple resources; The stormwater permit has been approved and is posted to the webpage, along with the annual report	Webpage; Social media; Website	No , maintaining a webpage does not directly reduce pollutants. However, it is an effective communication tool to educate the public on stormwater management.
1	Youth Education	Provide educational materials to Library and Schools	In March the Public Works Department hosted a field trip for 1 st graders at the Nazarene Christian Academy with approx. 35 participants. Goodie bags with prizes and educational materials were provided.	Participants; Materials	No , however youth education helps to bring awareness to reducing pollutants into the stormwater system.
1	Stormwater Education at Special Events	Distribute stormwater educational materials at two special events annually	Educational materials were distributed at 5 special events in 2022; 140 giveaways bags were distributed at the Halloween Event; and approx. 1500 brochures were handed out in 2022 during events.	Public events; Materials	No , while public events do not result in direct reduction of pollutants, it allows for public involvement, comments and recommendations.
1	SWMP Annual Review	Annual Review of SWMP – BMP's	29 Best Management Practices (BMP) were reviewed in November	BMP's	No , however, reviewing the program and BMP's annually ensures the program is compliant with TPDES permit.

2	Storm Drainage System Map	Annual update storm drain system map	One (1) new outfall were added to the storm drain map in 2022; 100 LF of new storm drain/pipe; 695 LF Sewer lines; and 3 manholes were added. 350 LF of sewer pipe was replaced.	Outfall	No , however, it aids in tracking illicit discharges when they occur.
2	Education and Training on Illicit Discharges	Provide annual IDDE training to city staff	Twenty (20) Public Works/AC employees received training and were tested on Stormwater Pollution Prevention. The City has purchased access to an online training portal with NCTCOG for future training throughout the year; Additionally, hand-out materials are made available to all city employees.	Attendees; Materials	No , however, providing educational materials allows staff to recognize illicit discharges and to take corrective actions.
2	Public Reporting and Response Procedures	<u>Conduit 100% of illicit discharge inspections</u> <u>Investigate 100% of reported illicit discharges</u> <u>Report a Concern webpage module</u>	5 concerns were reported; Investigated and corrections made. Residents can submit comments and concerns 24-hours a day, 7-days a week through the "Report a Concern" module on the Public Works webpage.	Investigations	Yes , by responding to reports of discharges and investigating, the discharge of pollutants to the MS4 can be minimized.

2	Detection and Elimination of Illicit Sanitary Sewer Discharge	Perform monthly sanitary sewer line maintenance, rehabilitations, and replacement	The City performs weekly sewerline maintenance alternating the two sections of town and maintains 77 miles of sewer lines. The City replaced 350 LF of sewer mains; and installed of 695 LF of new sewer mains. Three new manholes were added.	Miles; Footage; Manholes;	Yes , by properly maintaining sewer pipes and manholes the chances of sanitary sewer overflows resulting in illicit discharges are lessened.
3	Erosion and Sediment Control Requirements	<div>Review erosion and sediment control ordinance</div> <hr/> <div>Inspect 100% of construction sites each year</div> <hr/> <div>Inspect 100% of complaints each year</div>	Reviewed current ordinance; Inspected 18 construction sites; 2 complaints were filed and corrective action completed.	Inspections	Yes , ordinances enable the city to have legal authority to enforce compliance to prohibit runoff/ discharges, which minimizes pollutants into waterways.
3	Construction Plan Review Procedures	Review 100% of new construction projects	Plan Review: 3 commercial developments; 4 residential developments; 99 home building plans	Reviews / Inspections	Yes , reviewing construction plans ensures that appropriate controls have been properly designed prior to the start of construction.
3	Construction Site Inspections and Enforcement	<div>Inspect 100% of construction site annually</div> <hr/> <div>Inspects 100% of complaints</div>	18 active construction sites were Inspections; The city annually inspects 100% of all active construction sites, and follows up on any complaints and/or violations.	Inspections	Yes , inspecting construction sites reduces the amount of pollutants discharged from construction sites into the storm drain system.

3	Construction Stormwater Training	Conduct annual stormwater training for designated staff	Twenty (20) Public Works/AC employees were provided in-house training on the newly purchased training portal at NCTCOG; Overview handouts are also available to all employees	Attendees; Materials	Yes , ensuring that staff is properly trained and has knowledge in the current compliance regulations helps to reduce the amount of pollutants discharged from the construction sites.
3	Construction Site Stormwater Education	Provide construction site erosion control guidelines to 100% of contractors/homebuilders	5 pre-construction meeting/review was held in 2022. Guidelines and requirements are discussed in this meeting with developer/utility contractors/engineers/city staff.	Reviews; Meetings	Yes , by ensuring that proper erosion control is in place from the beginning of construction it lessens the amount of runoff to the system.
4	Post-Construction Ordinance	Investigate 100% of post-construction violations or complaints	No post-construction violations were reported in 2022; City Engineer administers existing ordinance including documenting and maintaining any enforcement actions.	Investigations; Actions	Yes , requiring developers to install post construction runoff control measures reduce long-term pollution from the site.
4	Long-Term Maintenance of Post-Construction BMP's	Maintenance agreements for 100% of new owner/operator completed construction	7 new maintenance agreements were approved in 2022	Maintenance Agreements	Yes , as long-term maintenance requirements are implemented, the City has the authority to ensure post construction controls are maintained as required.

4	Landscape Ordinance	Investigate 100% of landscape violates or complaints	2 issues were reported, investigated, and corrective actions were made.	Investigations; Actions	Yes , the ordinance provides City with the authority to enforce compliance, thus reducing polluted runoff into waterways.
4	Develop Naturally Brochure	Provide 2 educational post Provide link to Texas SmartScape on City's website	4 post were made on social media with 3861 views. The City newsletter reached approx. 1058 households; Texas SmartScape link is on City website.	Social media views; Newsletter; Website Link	No , however, educating the public and contractors on landscaping technics can reduce the amount of pollutants in stormwater runoff.
5	Facility and Stormwater Control Inventory	Maintain inventory of City-owned and operated facilities and stormwater controls	23 Facilities/ Structures/Controls; The city has no facilities with separate TPDES permits.	Controls	Yes , this practice ensures the BMP's are utilized and evaluated annually if modifications are deemed necessary.
5	Municipal Employee Training Program	Provide annual employee training to designated staff and new hires	Twenty (20) employees were provided in-house training in 2022	Attendees; Materials	No , but over time as training is implemented, employees will become aware of how to utilize good housekeeping practices to prevent pollution.
5	Contractor Requirements and Oversight	Implement contracts for 100% of new maintenance contractors	19 Contracts with outside service providers	Agreements	No , however implementing requirements and oversight ensures hired contractors comply with the City's stormwater permit.

5	Municipal Operations and Maintenance Activities	Inspect 100% of municipal operations/facilities annually	23 Facilities inspected To include parks/well sites/ground storage and elevated tanks	Inspections	No , however, inspecting facilities identifies possible pollutants and will help to reduce/minimize pollutant discharges.
5	Street and Parking Lot Sweeping Program	Sweep all City streets and parking lots at least once per year	910 miles of city roadways – 3 full cycles; plus 1 additional cycle at Deer Creek Addition	Miles	Yes , street sweeping removes sediment and debris that impacts the storm sewer system and affects water quality.

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

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1	City Cleanup Event HHW Program	Exceeded goals - Two cleanup events were held in 2022; March 26 a cleanup event was held with 47 volunteers cleaning 2 city parks and 1 ½ miles of roadways; with an estimated 725 pounds of litter being collected. The second event was September 17 which included a paper shedding truck and the crud cruiser; 56 volunteers cleaned 3 parks and creek ways; with an estimated 500 pounds of litter being collected. 24 citizens disposed of HHW at the crud cruiser and 20 citizens utilized the shredding services. Multiple post we made to social media throughout 2022.
1	FOG-Fat, Oils, and Grease Education	Met goal – The City provides an educational link on our website and a FOG reminder was added to 6300 utility bills per month for January, October, and November. In October a social media post reached 3066 viewers, and FOG information was added to the City newsletter reaching 1050 households.
1	Media Coverage	Met goal – Three utility bill reminders were provided in 2022; along with five “Did You Know” tips and educational information posted to the city’s social media outlets and newsletter.

1	Recycling Program	Met goal – A voluntary City-wide program is in place with weekly pick-up for 6300 households. All new customers are informed of the program through a “Welcome to Crowley” brochure. Recycle information is available on the City website, newsletter, and social media.
1	Texas SmartScape Education	Met goal – The City provides a link to programming and information on website, and information is also available at the Crowley Public Library. The city teamed with TRWD for an online series of training classes throughout the summer/fall months. Additionally, Texas Landscaping guides were distributed at five (5) City events.
1	Stormwater Education Webpage	Met goal – the City has a dedicated stormwater management webpage to help keep citizens informed. The Stormwater permit received final approval in 2022 and is posted to the webpage. This year’s annual report is posted, along with various links and related information.
1	Youth Education	Met goal – Hosted a first grade field trip, where they were introduced to various jobs completed by the Public Works Department. Included were demonstrations, conservation story time, goodie bags with handouts and environmental information and games.
1	Stormwater Education at Special Events	Exceeded goal – The City participated in five (5) city held events throughout 2022. Informational tables and goodie bags were provided at these events. Approximately 1500 pieces of literature were handed out over the course of these five events.
1	SWMP Annual Review	Met goal - this is year four for the current SWMP, the plan was reviewed in May 2022. Final approval of the SWMP was received from the TCEQ in January 2023.
2	Storm Drainage System Map	Met goal - The City maintains an up-to-date storm drainage system map. Adding 1 new outfalls this year; along with 100 LF of new storm drain/pipe. Funds have been allocated for future updates to the storm drainage system map.
2	Education and Training on Illicit Discharges	Met goal – An in-person training classes were held through a newly purchased online portal with NCTCOG; 20 Public Works/AC employees participated in the training; Informational materials were also made available to other employees.

2	Public Reporting & Response Procedures <u>Source Investigation and Elimination</u>	Met goals - Five (5) concerns were reported, investigated and corrections made. Procedures are in place for 100% of all reports to be inspected and investigated. A tracking form was created to provide better documentation. A module on the Public Works page of the website is available to report concerns.
2	Detection and Elimination of Illicit Sanitary Sewer Discharges	Exceeded goal - The City performs weekly sanitary sewer maintenance over the 77 miles of sewer lines. In 2022 the City added 695 LF of sewer line; replaced 350 LF sewer lines; and installed 3 new manholes.
3	Erosion & Sediment Control Requirements <u>Construction Site Inspections and Enforcement</u>	Met goals – Current erosion/sediment control ordinance was reviewed and no changes are necessary at this time. Sixteen (16) active construction site were inspected for compliance and Two (2) complaint were filed and corrective actions are documented in the Public Works department. Additionally, no construction permits are issued until erosion control is in place and inspected.
3	Construction Plan Review Procedures	Met goal - 100% of plans were reviewed. The City reviewed three (3) commercial developments; four (4) residential developments; and 99 home building plans were reviewed.
3	Construction Stormwater Training	Met goal – Twenty (20) employees were provided in-house training and testing through online portal; Overview handouts were provided.
3	Construction Site Stormwater Education	Met goal - Guidelines and requirements are addressed at pre-construction meetings. All pertinent parties are in attendance. The city conducted five (5) pre-construction meeting in 2022.
4	Post-Construction Ordinance <u>Long-Term Maintenance of Post-Construction BMP's</u>	Met goals – The post-construction stormwater ordinance was reviewed and no changes are necessary at this time. No violates documented. Seven (7) two-year maintenance agreements were approved.
4	Landscape Ordinance <u>Develop Naturally Brochure</u>	Met goals – The landscape requirements are address in the development process. The Texas SmartScape link is on the City's website, which provides developers with information on low impact development. Educational information was posted on social media and the City's newsletter. Two (2) violations were reported, investigated, and resolved in 2022.
5	Facility and Stormwater Control Inventory	Met goal – The City maintains a list of city-owned and operated facilities with control measures in place.

5	Municipal Employee Training Program	Met goal – Twenty (20) Public Works/AC employees were provided in-house training. Pollution prevention and good housekeeping practices handouts are available for all City employees.
5	Contractor Requirements and Oversight	Met goal – The City currently has contracts with nineteen (19) outside service providers; oversight measures of contractor activities are in place.
5	Municipal Operation and Maintenance Activities	Met goal – The City has a total of twelve (12) facilities and various other parks and structures. Maintenance staff has inspected all structures for compliance.
5	Street and Parking Lot Sweeping Program	Exceeded goal – Staff swept the entire city and all city-owned parking lots three (3) full cycles in 2022; with an extra cycle at Deer Creek Addition. For a total of 910 miles of roadways.

C. Stormwater Data Summary

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

The City of Crowley performed routine maintenance and cleaning of portions of the MS4. During the course of sanitary sewer maintenance, fire hydrant dead end flushing, and fire hydrant distribution system line flushing, we simultaneously perform visual inspections for illicit discharges and check the flow during dry weather. These inspections are documented in sewerline maintenance reports, as well as the fire hydrant water use reports. No illicit discharges or flow were detected during inspections; therefore, no monitoring data was collected or analyzed. Additionally, the City has a proactive street sweeping program where all curb and gutter streets are swept quarterly.

D. Impaired Waterbodies

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

None Indicated

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

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

Does not discharge to an impaired water body.

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

Benchmark Parameter <i>(Ex: Total Suspended Solids)</i>	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
N/A		No additional sampling was done	

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

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
N/A		

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

Description of bacteria-focused BMP	Comments/Discussion
N/A	

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

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

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

Benchmark Indicator	Description/Comments
N/A	

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
1	<div>City Cleanup Events</div> <hr/> <div>HHW Program</div> <hr/> <div>Special Events</div>	Public Participation	City will sponsor an annual citywide cleanup and "Crud Cruiser" event in the fall. We will continue to offer vouchers for disposal of HHW. Additionally, we plan to provide materials at two or more special events. Provide informational materials to the public and monthly social media post.
1/4	<div>Texas SmartScape</div> <hr/> <div>Develop Naturally</div>	Partnerships	We will partner with the TRWD to offer classes on Native Trees and Landscaping. To include proper sprinkler usage and care/ landscaping tips; along with rain water harvesting classes. Provide free sprinkler evaluations to citizens. Social media post.
1	Media Coverage	Public Education	We plan to post informational tips regarding stormwater pollution prevention to the website; social media outlets; and the City's E-newsletter.
1	Stormwater Education Web Page	Public Education	We will provide stormwater educational contacts, links and information on the city's stormwater webpage.
1/2/3/5	<div>Employee Training</div> <hr/> <div>Youth Education</div> <hr/> <div>Contractor Training/Education</div>	Education	Continue to enhance educational opportunities and training with citizens, youth, contractors and staff. We hope to establish a working relationship with the ISD. Additionally, we will provide in-house training through our newly purchase training portal with NCTCOG. All Public Works/AC employees will utilize the portal and be provided pocket guides. Housekeeping guides will be made available to all city employees regarding illicit discharge detection.

2	Storm Drainage System Map	Reporting	Continue working to update System Map to be incorporated into the GIS system.
2	Investigation and Elimination	Reporting	Continue use of newly created tracking spreadsheet; refine procedures for investigation and elimination reporting.
4	Post-Construction Ordinance	Enforcement/Reporting	Due to significant growth within the City, we hope to update the current ordinance in the upcoming year.
5	Facility and Stormwater Control Inventory	Reporting	Continue to update the city-owned facilities; to include structures/parks and open space maintained by city personnel.
5	Street and Parking Lot Sweeping Program	Housekeeping	We will sweep all city streets and city parking lots every 3 months.

F. SWMP Modifications

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)
N/A		

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

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

G. Additional BMPs for TMDLs and I-Plans

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

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

H. Additional Information

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

☐ Yes ☒ No

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

Name and Explanation: N/A

- 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 - N/A

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

Authorization Number: N/A

Permittee: _____

I. Construction Activities

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

6

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

 Yes X No

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

The number of municipal construction activities authorized under this general permit	Four (4)
The total number of acres disturbed for municipal construction projects	20.72 Acres

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

J. Certification

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

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

Name (printed): Robert Loftin Title: City Manager

Signature: Robert Loftin Date: 03/21/2023

Name of MS4 City of Crowley

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

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