

KANSAS STORMWATER 2020 ANNUAL REPORT FORM FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

Please place an "X" in the left box if any information has changed from previous years

<input type="checkbox"/>	Permittee [Agency Name] Mailing Address 1:	City of Mission
<input type="checkbox"/>	Mailing Address 2:	6090 Woodson Road
<input type="checkbox"/>	Municipality:	Mission
	State:	Kansas
<input type="checkbox"/>	Zip Code:	66202
<input type="checkbox"/>	MS4 Program Contact - Person:	Celia Duran
<input type="checkbox"/>	Contact E-Mail Address:	Cduran@missionks.org
<input type="checkbox"/>	Contact Phone Number:	913-676-8381
<input type="checkbox"/>	MS4 Program Construction Contact - Person	Celia Duran
<input type="checkbox"/>	Construction E-Mail Address:	Cduran@missionks.org
<input type="checkbox"/>	Contact Phone Number:	913-676-8381
<input type="checkbox"/>	Kansas Permit Number: — Ex. M-MC21-SU01	M-KS45-SU01

Reporting period covers activities from January 1, 2020 through December 31, 2020.

This annual report must be submitted to the Kansas Department of Health and Environment (KDHE) by February 28th, 2021. The annual report is to be submitted as PDF files to KDHE preferably on a standard compact disk (CD) or digital versatile disk (DVD). If the permittee does not have the ability to provide the files in a CD or DVD, a flash drive can be submitted. Some permittees provide additional hard copy submissions of the annual report or supplemental documents along with the electronic files. There is no requirement to provide hard copies of any documents other than a simple transmittal letter.

IN ADDITION, provide the following:

1. A current copy of the Stormwater Management Program (SMP) Document as a PDF file along with the Annual Report.
2. Include an executive summary to this report which briefly covers the major aspects of the MS4 stormwater management program enacted during the year. In completing the executive summary, the preparer should address the following questions:
 1. Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?
 2. Were there any aspects of the program that provided unsatisfactory results?
 3. What was the most successful part of the program?
 4. What was the most challenging aspect of the program?
 5. Describe any City/County area MS4 clean-ups and the participation.
 6. Describe the elected officials' participation in the stormwater pollution elimination.
 7. Describe the collaboration with other organizations to eliminate stormwater pollution.
 8. If an audit/inspection of your MS4 program was conducted by EPA or KDHE during the year, list the items the audit/inspection report identified as required changes and provide a narrative explanation of how the changes were implemented or explain the plan to implement the changes and identify a target date for final implementation.

The executive summary does not need to be extensive and detailed. It is anticipated the executive summaries will range from one half of a page to two pages in length depending on the scope of the program.

3. Any new stormwater ordinances/resolutions or revised ordinances/resolutions which have not already been submitted to KDHE for review and retention.

This template annual report document (basic report) for the 2018 reporting period has changed from the annual report format used in previous years. This document focuses on the core aspects of permit requirements including the Stormwater Management Program, the Six Minimum Control Measures (Public Education and Outreach, Public Involvement and Participation, Illicit Discharge Detection and Elimination, Construction Site Stormwater Runoff Control, Post-Construction Stormwater Management in New Development and Redevelopment Projects, and Pollution Prevention/Good Housekeeping for Municipal Operations), Total Maximum Daily Load (TMDL) Best Management Practices and TMDL wet weather monitoring. Additionally, for Phase I permittees a program to monitor their listed industrial facilities is required. Although any failure to comply with a requirement of the MS4 National Pollutant Discharge Elimination System (NPDES) permit may expose the permittee to enforcement action by either the permitting authority (Kansas Department of Health and Environment) or by the Environmental Protection Agency, the failure to implement the core aspects of the permit likely increases the risk of not only enforcement but also of incurring a monetary penalty.

The permittee is well advised to accurately report the conditions and status of their stormwater program and give due consideration to improving or enhancing their program where it is weak, or deficient in any of the core aspects (stormwater management program, six minimum control measures and TMDL best management practices – if applicable – also for Phase I permittees monitoring industrial facilities).

**TOPICS REQUIRED TO BE ADDRESSED IN THIS REPORT AS IDENTIFIED
IN PART V OF THE PERMIT**

Within the next one or two pages, or perhaps more if so desired, provide comments addressing the following items:

1. Provide the status of compliance with permit conditions, an assessment of the appropriateness of the implemented Best Management Practices, progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable (MEP), and the measurable goals with an indication of the progress toward meeting the goals for each of the six minimum control measures.

The City of Mission is in compliance with permit conditions with BMPs that are implemented to best achieve goals stated in the Stormwater Management Plans and to reduce the discharge of pollutants to the maximum extent practicable. The measurable goals and the progress is outlined by Minimum Control Measure in the table below.

2. Provide results of information collected and analyzed, (for example test results, surveys, or public comments/input) during the annual reporting period. This may include monitoring data used to assess the success of best management practices with respect to reduction in pollutant discharge. Include an interpretation of the information which addresses success or failure of the portion of the program for which the information applies.

Water quality sampling data was performed by Johnson County but is not included in this report for the City of Mission since TMDLs are currently not required. No public comments were provided during the annual reporting period.

3. Provide results of information collected and analyzed, if any, during the annual reporting period, including monitoring data used to assess the success of the program at reducing the TMDL regulated pollutants.

Water quality sampling data was performed by Johnson County but is not included in this report for the City of Mission since TMDLs are currently not required.

4. Provide a summary of the stormwater activities that were scheduled to be undertaken during the previous calendar year and the status of these activities.

The stormwater activities that were undertaken in 2020 are summarized in the following tables for each Minimum Control Measure as well as generally outlined in the City of Mission's Stormwater Management Plan.

5. Provide a summary of the stormwater activities which are scheduled to be undertaken during the next calendar year (including an implementation schedule).

Programs for all MCMs will continue as they have in previous years. The Illicit Discharge, Construction Site Erosion Control and Post Construction programs continue throughout the year. Public education, including in-school education programs, will occur in Spring and Fall 2021. Print media education will occur quarterly in the Johnson County Magazine and the Mission Magazine.

Staff plans to evaluate all ordinances and procedures in 2021 and make revisions as necessary, particularly those related to redevelopment sites.

6. Provide a map showing changes in the permittee's Permit Area if the permit area has changed within the year.

There has been no change to the permit area for the City of Mission.

7. Provide a description of significant changes in any of the BMPs.

There have been no significant changes in any BMPs.

8. Provide a list of any ordinances or resolutions which were updated in the last year and are associated with the SMP. Please note, page on of this report requires submission of any new stormwater related ordinances or resolutions or any such updated ordinances or resolution be submitted with this annual report.

There have been no updates to regulations; however, as discussed above, ordinances and regulations will be reviewed and evaluated in 2021 and revisions made as necessary.

9. Provide a list of other parties (such as other municipalities or consultants), which are responsible for implementing any of the program areas of the Stormwater Management Program.

City of Mission Community Development (Homeowner BMP Cost Share Program and Street and Stream Clean-Up Events); Johnson County Stormwater Management Program (SMP), Department of Health and Environment, and Wastewater; Johnson County K-State Extension; and the City of Olathe Public Works (for Household Hazardous Waste Collection).

10. For Phase I permittees only, provide a summary of the inspection results, including the wet weather surface water quality monitoring test results, and information obtained under PART III Monitoring Industrial Stormwater Discharges section of this permit

Not applicable.

SIX MINIMUM CONTROL MEASURES FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s) WITH NPDES PERMITS

The following outlines the NPDES permit requirements for implementation of the Six Minimum Control Measures as required under Kansas MS4 permits issued by the KDHE. The NPDES permit provided to the MS4 authority should be reviewed for additional requirements associated with implementation of the Six Minimum Control Measures such as deadlines for the implementation of the requirements or supplemental requirements associated with the individual measures. The general requirements are as follows:

A. Six Minimum Controls — The permittee shall develop and implement Best Management Practices (BMP's) with measurable goals for each of the six minimum control measures. The six minimum control measures and the associated requirements are listed and explained as follows:

1. Public Education and Outreach

The permittee shall implement a public education program which includes distribution of educational materials to the community or conducting equivalent outreach activities which address the impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

2. Public Involvement and Participation

The permittee shall implement a public involvement and participation program to solicit public comment and recommendations regarding the BMP's and measurable goals utilized by the permittee to comply with the permit. The permittee shall comply with state and local public notice requirements when implementing a public involvement and participation program.

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3. Illicit Discharge Detection and Elimination

The permittee shall:

- a. develop, implement and enforce a program to detect and eliminate illicit discharges into the MS4;
- b. Develop a storm sewer system map of the permittee's MS4, showing the location of all outfalls, either pipes or open channel drainage, showing the names and location of all streams or lakes that receive discharges from those outfalls. A copy of the map shall be submitted to KDHE. This map may be submitted as a PDF file(s) on a CD or DVD.
- c. Enact ordinances or resolutions to prohibit non-stormwater discharges into the storm sewer system and implement appropriate enforcement procedures and actions if the permittee has such authority. A copy of the ordinances or resolutions shall be submitted to KDHE.
- d. Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and
- e. Develop and implement a plan to detect and address prohibited non-stormwater discharges, including but not limited to illegal dumping, to the storm sewer system. Unless identified by either the permittee or KDHE as a significant source of pollutants to waters of the state, the following examples of non-stormwater discharges are not prohibited from entering the MS4:

- | | |
|---|--|
| 1. Water line flushing | 16. Occasional not-for-profit car wash activities |
| 2. Diverted stream flow | 17. Flows from riparian habits and wetlands |
| 3. Rising groundwaters | 18. Dechlorinated swimming pool discharges excluding filter backwash |
| 4. Uncontaminated groundwater infiltration as defined under 40 CFR 35.2005(20) to separate storm sewers | 19. Street wash waters (excluding street sweepings which have been removed from the street) |
| 5. Uncontaminated pumped groundwater | 20. Discharges of flows from firefighting activities |
| 6. Contaminated groundwater if authorized by KDHE and approved by the municipality | 21. Heat pump discharge waters (residential only) |
| 7. Discharges from potable water sources | 22. Treated wastewater meeting requirements of a NPDES permit |
| 8. Foundation drains | 23. Sump pump drains |
| 9. Air conditioning condensate | 24. Other discharges determined not to be a significant source of pollutants to waters of the state, a public health hazard, or a nuisance |
| 10. Irrigation waters | |
| 11. Springs | |
| 12. Water from crawl space pumps | |
| 13. Footing drains | |
| 14. Lawn watering | |
| 15. Individual residential car washing | |

4. Construction Site Stormwater Runoff Control

The permittee shall develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must include the development and implementation, at a minimum, of the following:

- a. Permittees which have the authority to enact ordinances or resolutions shall enact such ordinances or resolutions to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State and Local law;
- b. Requirements for construction site owners or operators to implement appropriate erosion and sediment control best management practices;
- c. Requirements for construction site owners or operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that are likely to cause adverse impacts to water quality;
- d. Procedures for site plan review which incorporate consideration of potential water quality impacts;
- e. Procedures for receipt and consideration of information submitted by the public;
- f. Procedures for site inspection and enforcement of control measures.

5. Post-Construction Stormwater Management in New Development and Redevelopment Projects

The permittee shall develop, implement, and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development and implementation, at a minimum of the following:

- a. BMP's to prevent or minimize adverse water quality impacts;
- b. Strategies which include a combination of structural and/or non-structural BMP's appropriate for the municipality;
- c. For permittees which have the authority, ordinances or resolutions to address post-construction runoff from new development and redevelopment projects to the extent allowable under State and local law;
- d. Ensure adequate long-term operation and maintenance of BMP's

6. Pollution Prevention/Good Housekeeping for Municipal Operations

The permittee shall develop and implement an operation and maintenance program that includes employee training to prevent and reduce stormwater pollution from municipal operations activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance.

B. Stormwater Management Program

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the Stormwater Management Program (SMP) been developed and implemented?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Has the SMP been modified or updated during this reporting period? Note: SMP not modified in 2020, but modified for 2021 (attached).
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If the answer to question 2 above was "yes," has the modified SMP been submitted to KDHE for review?

If the answer to item 3 is a "NO," a copy of the updated SMP must be submitted with this annual report. If it is anticipated a measurable goal cannot be met in the next year the SMP should be modified and submitted to KDHE for review. The modifications may include different BMP's and/or revised goals to avoid being in a position of non-compliance. However; reasonable BMP's with reasonable goals must be implemented or KDHE may require the permittee to modify the SMP to include additional or better BMP's and/or more reasonable goals.

C. Total Maximum Daily Load (TMDL) Best Management Practices (BMP's)

Some permittees are required to implement BMPs to reduce the discharge of listed TMDL regulated pollutants (potentially any or all of the following pollutants – bacteria, nutrients, and sediment)

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Were any BMP's intended to attenuate the discharge of TMDL regulated pollutants implemented? See your permit to determine if TMDL regulated pollutants are listed for the receiving stream affected by your stormwater system (TMDL Table).
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	List all of the BMP's intended to attenuate the discharge of TMDL regulated pollutants as identified in the SMP and provide the requested information in the following table.

List all the TMDL BMPs as identified in the SMP and provide the requested information in the following table.

D. TMDL BMP Table — Please fill out accordingly

BMP ID NUMBER	BRIEF BMP DESCRIPTION	REGULATED TMDL PARAMETERS	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	No TMDLs in Mission	N/A	N/A	

E. Stormwater Management Program Requirements (Six Minimum Control Measures)

1. Public Education and Outreach (Table) - Please fill out accordingly

List all of the public education and outreach BMPs as identified in the SMP and provide the requested information in the following table.
(List presentations and media)

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	City of Mission Social Media	Number and Description of Posts and Engagement by Public	The City utilizes its social media platforms to share or repost items from Johnson County, K State Extensions and other groups. 2,198 Facebook Followers, 4,565 twitter followers and 2,208 Next Door followers.
	City of Mission Print Media	Number of residents reached by printed materials	The City utilizes the city newsletter and The Mission Magazine to reach approximately 13,000 residents and business owners.
	In addition to Mission's, the City partners with the Johnson County Stormwater Management Program (JCSMP) to conduct stormwater education and outreach on a county-wide basis. The JCSMP also partners with Johnson County K-State Extension (KSE) for some aspects of public education and outreach-- including print media, presentations and events.		

	Events and Presentations	Activity and number of participants	Healthy Yards Expo: Cancelled due to COVID concerns.
	Print media	Type and number of materials distributed	<p>Johnson County Magazine: 13,000 households in the City of Mission received each of these four mailings. The Johnson County Magazine is distributed to all households in Johnson County four times a year for the Winter, Spring, Summer, and Fall issues. A ½ page informational advertisement was included in all four issues of the magazine. Advertisements focused on what homeowners can do to protect water quality, soil tests and how they can help homeowners protect water quality, and proper leaf and yard waste disposal.</p>
	In-School Education	Activity and Number of Participants	<p>Stone Lion Puppet Theater: Stone Lion presented 10 puppet shows county-wide with water quality messaging to approximately 2,200 children ranging in grades from Pre-Kindergarten to 6th grade. Specific schools are included in "2020 JCSMP NPDES Services Summary". 160 students from Hyman Brand Academy serving residents in Mission and other surrounding cities attended the Stone Lion Puppet Theater on 3/12/2020.</p>

E. Stormwater Management Program Requirements (Six Minimum Control Measures) (CONTINUED)

1. Public Education and Outreach (Table) - Please fill out accordingly

List all of the public education and outreach BMPs as identified in the SMP and provide the requested information in the following table.
(List presentations and media)

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	In-School Education	Activity and Number of Participants	Friends of the Kaw (FOK): Present "Kids About Water", water quality education programming, for middle school students. FOK was in 13 classes and presented to 285 students in Monticello Trails (Shawnee students) and Bluejacket-Flint (Shawnee students).
	Annual Program Review: Assess Applicability of BMPs for MCM1 in SMP	Review and revise as necessary	No revisions required in 2020.

E. Stormwater Management Program Requirements (Six Minimum Control Measures) (CONTINUED)

2. Public Involvement and Participation (Table) - Please fill out accordingly

List all of the public improvement and participation BMPs as identified in the SMP and provide the requested information in the following table. (List all associations and partnerships)

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	Mechanism for Public Comment on the community's stormwater management plans and regulations for each community: Post annual reports and current stormwater management plan on website or other publicly available mechanism. Provide opportunity for the public to comment on the community's stormwater management plans and regulations.	Documents published in appropriate location Public review and comment allowed	Documents posted on the City website. Report a Concern function via City website.
	Comply with Public Notice Provisions: Comply with applicable state and local public notice requirements when developing and revising the Stormwater Management Plan and Stormwater regulations. Provide opportunity for public comment and provide feedback to public comment as required	Stormwater Management plans advertised when developed and as revisions are made. Comments addressed	No revisions in reporting period. No comments during reporting period.

	<p>Homeowner BMP Cost Share Program: The JCSMP provides funding to cities to match up to 50% percent of practices that a resident can implement on their property to reduce the effects of stormwater. This program has allowed cities to encourage their residents to implement stormwater solutions at a lesser cost. Practices that are eligible for reimbursement include rain barrels, rain gardens, native plantings, native trees, and porous pavement.</p>	Number of stormwater solutions installed	3 homeowners participated in 2020: <ul style="list-style-type: none"> • 5212 Riggs St. • 5601 Outlook St. • 5700 W. 67th St.
	<p>Stream Clean-Ups and Trash Removal</p>	Number of participants and volume of litter removed from area streams, ditches, parks and streets	<p>Streams/Trails:</p> <p>Rotary Park Clean-Up:</p> <ul style="list-style-type: none"> • Club Scout Pack 3184; 11/7/2020; 8 volunteers; 4 bags <p>Rock Creek Trail Clean-Up:</p> <ul style="list-style-type: none"> • High School Volunteers; 7/1/2020; 5 volunteers; 25 bags <p>Adopt-A-Street Program:</p> <p>Shawnee Mission Parkway:</p> <ul style="list-style-type: none"> • Mission Sustainability Commission; 8/6/2020; 4 volunteers; 2 bags <p>51st St. & Lamar Ave. to 51st & Dearborn St.:</p> <ul style="list-style-type: none"> • Rushton Elementary; 3/12/2020; 43 volunteers; 8 bags

E. Stormwater Management Program Requirements (Six Minimum Control Measures) (CONTINUED)

2. Public Involvement and Participation (Table) - Please fill out accordingly

List all of the public improvement and participation BMPs as identified in the SMP and provide the requested information in the following table. (List all associations and partnerships)

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	Pet Waste Bag Dispensers: Installed in city/county parks to encourage pet owners to pick up after pets	Number of dispensers Number bags used.	The City of Mission maintains 14 dispensers located in parks and along trails throughout the City. 75,500 bags were used in 2020. <ul style="list-style-type: none"> • Streamway Park (2 dispensers/ 6,000 bags) • Broadmoor Park (2 dispensers/20,000 bags) • Legacy Park (2 dispensers/4,000 bags) • Mohawk Park (2 dispensers/20,000 bags) • Water Works Park (2 dispensers/11,000 bags) • Anderson Park (2 dispensers/10,000 bags) • Beverly Park (1 dispensers/2,000 bags) • Rock Creek Trail (1 dispenser/2,500 bags)

	<p>Free Soil Testing For Residents: Educate residents that applying fertilizer without a current soil test can result in over application and excessive nutrient runoff.</p>	<p>Number of soil tests Education received with reports and through marketing efforts for free soil test opportunity.</p>	<p>469 soil tests county-wide-- Residential by City</p> <ul style="list-style-type: none"> • DeSoto- 8 • Fairway- 13 • Gardner- 4 • Lake Quivira-2 • Leawood-26 • Lenexa-43 • Merriam- 6 • Mission- 18 • Olathe-112 • Overland Park-157 • Prairie Village-31 • Roeland Park- 3 • Shawnee—34 • Spring Hill- 7 • Stilwell-4 • Westwood- 1 <p>Participants receive a custom report with recommended rates of application and proper timing and a general stormwater quality awareness pamphlet educating homeowners on lawn and garden best management practices.</p>
	<p>Annual Program Review: Assess Applicability of BMPs for MCM2 in SMP</p>	<p>Review and revise as necessary</p>	<p>No revisions in reporting period.</p>

D. SMP Requirements (Six Minimum Control Measures) (Continued)

a. Illicit Discharge Detection and Elimination

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a map of the MS4 been developed, showing the location of all outfalls, either pipes or open channel drainage, showing names and location of all streams or lakes receiving discharges from the outfalls?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The permit may require the permittee enact ordinances, or resolutions. Have ordinances, or resolutions, or regulations to prohibit non-stormwater discharges into the storm sewer system been enacted? Effective date: May 10, 2006
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Have the ordinances, resolutions, or regulations been modified? Effective date: N/A

List all the Illicit Discharge Detection and Elimination BMPs as identified in the SMP and provide the requested information in the following table

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E. Stormwater Management Program Requirements (Six Minimum Control Measures)

3. Illicit Discharge Detection and Elimination (Table) - Please fill out accordingly

List all of the illicit discharge detection and elimination BMPs as identified in the SMP and provide the requested information in the following table.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	Implement IDDE Plan: Implement plan to detect, identify the source, and eliminate non-stormwater discharges to the MS4, including passing regulations prohibiting non-stormwater discharges to the MS4.	Plan Implemented Actions Documented	Report A Concern Via City Website 1 concern submitted in reporting period. The City has issued a Notice of Violation and citation to the business owner and the owner is in the process of submitting plans to resolve the issue.
	Storm Sewer System Map: Maintain updated map of MS4 showing storm sewer outfalls and names and location of all waters of the US that receive discharges from outfall.	Map updated and submitted to KDHE	No updates in reporting period.
	Annual Program Review: Assess Applicability of BMPs for MCM3 in SMP	Review and revise as necessary	No revisions in reporting period.

	<p>HHW Collection: The JCSMP provided supplemental financial assistance to the Johnson County Department of Health and Environment and the city of Olathe's existing HHW Collection programs. This funding allowed for an increase in drop-off appointments at both facilities that would not have otherwise been possible. (These numbers represent the previous year's annual reporting numbers for the HHW sites which is on the State of Kansas's fiscal year of July 1-June 30)</p>	<p>Number of residents served</p> <p>Pounds of Hazardous Material collected</p>	<p>15,776 participants county-wide</p> <p>1,357,639 pounds of hazardous waste collected and managed properly</p>
	<p>Septic System Inspection Program: Johnson County Department of Health and Environment staff performs inspections of all on-site sewer systems at construction and resale of property.</p> <p>These numbers are a county-wide representation. Mission activities are also included in the summary table.</p>	<p>Number of inspections</p> <p>Number of soil profile analysis</p> <p>Number of required repairs</p> <p>Number of permits issued for new construction</p> <p>Number of decommissions</p>	<p>341 residential inspections (required on resale of property) (3 in Mission)</p> <p>307 commercial inspections (conducted annually) (1 in Mission)</p> <p>103 soil profiles completed (0 in Mission)</p> <p>124 minor repairs completed (0 in Mission)</p> <p>95 major repair permits issued for systems that were replaced as a result of a failed inspection (0 in Mission).</p> <p>57 permits issued for new construction (0 in Mission).</p> <p>40 septic tank decommissioning (0 in Mission).</p>

E. SMP Requirements (Six Minimum Control Measures) (Continued)

b. Construction Site Stormwater Runoff Control

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>The permit requires the permittee, if they have such authority, to enact ordinances or resolutions. Have ordinances or resolutions to address construction site runoff from new development/redevelopment projects been enacted?</p> <p style="text-align: right;">Effective date: November 9, 2005</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure or program been developed requiring construction site owners and/or operators to implement appropriate erosion and sediment control best management practices?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure or program been developed requiring construction site owners and/or operators to control waste such as discarded building materials, concrete truck washout, chemicals, paint, litter, and sanitary waste at construction sites likely to cause adverse impacts to water quality?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure been developed and implemented requiring site plan review which includes consideration of potential water quality impacts?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure been developed for the receipt and consideration of information submitted by the public?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure been developed and implemented for construction site inspection and enforcement of the control measures?

List all the construction site stormwater runoff control BMP's as identified in the SMP and provide the requested information in the following table.

E. Stormwater Management Program Requirements (Six Minimum Control Measures)

4. Construction Site Stormwater Runoff Control (Table) - Please fill out accordingly

List all of the Site Stormwater Runoff Control BMP's as identified in the SMP and provide the requested information in the following table.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	<p>Contractor Training: Provide education and informational resources for contractors licensed in Johnson County. This year the Johnson County Contractors Licensing Program offered two 4-hour the "ABCs of BMPs" class that instructs contractors on proper erosion and sediment control at construction sites. Attendees could opt to take an exam to become a "Johnson County Certified Inspector". Each attendee received a copy of the "Johnson County Kansas Erosion Prevention and Sediment Control Field Guide".</p> <p>Inspection and Enforcement: Review plans, issue permits, track violations and enforcements measures.</p>	<p>Number of individuals trained and certified.</p>	<p>118 attendees and 107 certified inspectors</p>
		<p>Number of violations</p> <p>Violations and enforcement measures documented</p>	<p>No land disturbance permit violations issued in reporting period.</p> <p>No violations or enforcement issued in reporting period.</p>

	Receipt of Public Information on Compliance: Provide a mechanism for receipt and consideration of information submitted by the public on construction site compliance.	Number of Reports	No report.
		Investigation/Actions Documented	None required.
	Annual Program Review: Assess applicability of BMPs for MCM4 in SMP	Review and revise as necessary	No revisions required in reporting period.

E. SMP Requirements (Six Minimum Control Measures) (Continued)

5. Post-Construction Site Stormwater Management in New Development and Redevelopment

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The permit requires the permittee, if they have such authority, to enact ordinances or resolutions. Have ordinances or resolutions to address construction site runoff from new development and redevelopment projects been enacted? Effective date: November 9, 2005
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a post-construction stormwater runoff program been implemented?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have post-construction sites been inspected?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are BMP's specified to minimize adverse water quality impacts?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have strategies been developed to include a combination of structural and/or non-structural BMP appropriate for the municipality?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have measures been implemented to ensure adequate long-term operation and maintenance of structural BMP's?

List all the post-construction site stormwater management in new development and redevelopment BMPs as identified in the SMP and provide the requested information in the following table.

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E. Stormwater Management Program Requirements (Six Minimum Control Measures)

5. Post - Construction Site Stormwater Runoff Control (Table) - Please fill out accordingly

List all of the post-construction site stormwater runoff BMPs as identified in the SMP's and provide the requested information in the following table.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	Implement Post-Construction Stormwater Runoff Control Program: Implement program requiring control of stormwater runoff from new development and redevelopment projects that disturb greater than one acre of land, and requirements for long-term maintenance of structural controls. Required elements of this program include:	Program implemented through city ordinance	Ordinances are in place to implement post-construction stormwater runoff control.
	Site Plan Review: Ensure site plans incorporate appropriate post-construction runoff controls designed according to previously adopted standards/design manual.	Plans Reviewed	4 plans reviewed. None of these plans required post-construction BMPs since the sites were less than 1 acre.
	Final Construction Inspection: Perform final inspection (or obtain certification from design engineer) to ensure that all post-construction runoff controls were installed according to plans and functioning as designed.	Number of Construction Inspections	4 site inspections; however, no sites had required post-construction BMPs since < 1 acre.

	Tracking System: Maintain database (or other system) to track location and contact information of responsible party for all structural post-construction runoff controls	Database Updated	The City maintains a database; however, there were no updates for 2020 since there were no sites with required post-construction BMPs (i.e., sites were < 1 acre).
	Long Term Maintenance: Implement an inspection and enforcement program to ensure adequate long-term maintenance of structural post-construction runoff controls.	Number of Maintenance Inspections Number of Violations Enforcement Actions Documented	0 Inspections 0 Violations Yes/None Required
	Regulations Adopted	APWA 5600 Erosion and Sediment Control Regulations and APWA 5100 BMP Manual Stormwater Pollution Prevention Review and revise as necessary	Ordinance No. 1182 adopted on 11/9/2005. Ordinance No. 1181 adopted on 11/9/2005. Ordinance No. 1321 adopted on 2/17/2010. Ordinance No. 1201 adopted on 5/10/2006 No revisions necessary in reporting period.
	Annual Program Review: Assess applicability of BMPs for MCM5 in SMP		

E. SMP Requirements (Six Minimum Control Measures) (Continued)

c. Municipal Pollution Prevention/Housekeeping

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The permit requires the permittee to enact a program to address pollution prevention/good housekeeping for Municipal Operations. Has such a program been enacted?

List all the municipal pollution prevention/housekeeping BMP's as identified in the SMP and provide the requested information in the following table.

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E. Stormwater Management Program Requirements (Six Minimum Control Measures) (CONTINUED)

6. Municipal Pollution Prevention / Housekeeping (Table) - Please fill out accordingly

List all of the municipal pollution prevention / housekeeping BMPs as identified in the SMP's and provide the requested information in the following table.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	<p>Reduce Pollutant Runoff From Municipal Operations: Required elements of this program include:</p> <p>Stormwater Management Audits: Periodically audit community-owned facility(s) and/or community operations that may potentially impact surface water through the MS4.</p> <p>Stormwater Pollution Prevention Plan: Develop SWPPP(s) for facility(s) and/or operation(s).</p>	<p>Facility Name/Operation Date of last audit</p> <p>SWPPP(s) completed and on file</p>	<p>Public Works Facility 10/27/2020</p> <p>SWPPP Completed and on File.</p>

	Municipal Employee Training: Implement training program for employees and document training.	Number of city attendees	<p>Toolbox Talks for Public Works Employees Throughout the Year (10 Employees):</p> <ul style="list-style-type: none"> Misc. Toolbox Talks on Street Sweeping; Cleaning Stormwater Inlets; Recycling, Vehicle Washing <p>Municipal Stormwater Pollution Prevention Storm Watch BMPs Training (12 employees)</p> <p>Certified Stormwater Inspector on Staff</p> <p>Snow Removal Process Review For All Snow Removal Staff.</p> <p>1,300 Lane Miles Swept</p>	<p>596 inlets and 59,921 linear feet of stormwater pipe inspected.</p> <p>115 inlets/junction boxes repaired and/or cleaned.</p> <p>No revisions in reporting period for 2020. MCM6 plans will be revised and included in the new Stormwater Management Plan submitted in February 2021.</p>
	Street Sweeping – Perform Street Sweeping Activities Citywide.	Lane Miles Swept		
	Inlet Inspection, Cleaning and Maintenance – Inspect inlets; remove debris and repair stormwater inlets as needed	<p>Number of Inlets Inspected</p> <p>Number of Inlets Cleaned</p>		
	Annual Program Review: Assess applicability of BMPs for MCM6 in SMP	Review and revise as necessary		

E. SMP Requirements (Six Minimum Control Measures) (Continued)

d. PHASE ONE OPERATORS ONLY: Monitoring Industrial and High Risk Runoff

The permit requires the permittee to enact a program to address post-construction site stormwater runoff from new development and redevelopment.

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Has the permittee developed and maintained a list of the municipal industrial facilities contributing to the pollutant loading to the MS4?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Have at least two municipal industrial facilities on the list had inspection and sampling conducted?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If the answer to items 1 and 2 is "No," provide a statement.

F. Recordkeeping and Reporting

Some permittees are required to monitor surface waters if the permit includes TMDL monitoring requirements for Specific Impaired Streams to Target within Part II of the permit and surface water monitoring locations are identified in a subsequent table. Provide a current map of monitoring locations and site information data in the succeeding table (expand the table if necessary to address all sites).

Example map and table below—Please fill out map and table on page 26 and adjust as needed.



Upstream Site: Farwell Street Bridge over Charles River

Downstream Site: Arsenal Street Bridge over Charles River

<i>Local Site Name</i>	<i>Farwell</i>	<i>Arsenal</i>
<i>Local Site Identifier</i>	<i>C1</i>	<i>C2</i>
<i>Sample Location Description</i>	<i>On the east side of this bridge is a pedestrian walkway where a rope and bucket is lowered to the middle of the river to obtain a sample.</i>	<i>From the bike path on the southeast end of the bridge a path extends down to the bank of the river. A 10 foot long sample pole with bucket at the end is used to reach out past littoral vegetation and obtain a sample.</i>
<i>KDHE EDMR Code if Known</i>	<i>Far2002C5</i>	<i>Arse1001C6</i>
<i>Lat/Long Data Decimal & Degree Format</i>		
<i>Latitude</i>	<i>42.367056°</i>	<i>42358910°</i>
<i>Longitude</i>	<i>-71.218089°</i>	<i>-71161087°</i>

Map

"Insert your picture (map)"

**Please clearly label upstream and downstream sites*

Please fill out map and table below accordingly and review the example map and table on the previous page for reference.

**Clearly label sites as upstream or downstream which are on the same stream/river.*

Sample Site Information Tables

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Copy additional site information tables below as necessary to list information for all sites.

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 to assure that qualified personnel properly gather and evaluate 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."

Signature of Permittee: Celia J. Duran Date Signed 2/15/2021

(Legally responsible person)

Name Printed: CELIA J. DURAN Title PUBLIC WORKS DIRECTOR

40 CFR 122.22 Signatories to permit applications and reports.

(a) Application. All permit applications shall be signed by either a principal executive officer or ranking elected official.

All reports required by permits, and other information requested by the Director shall be signed by a person described in paragraph (a) of this section, or by a duly authorized representative of that person.

Please note the submission requirements on page 1. Submit this report to:

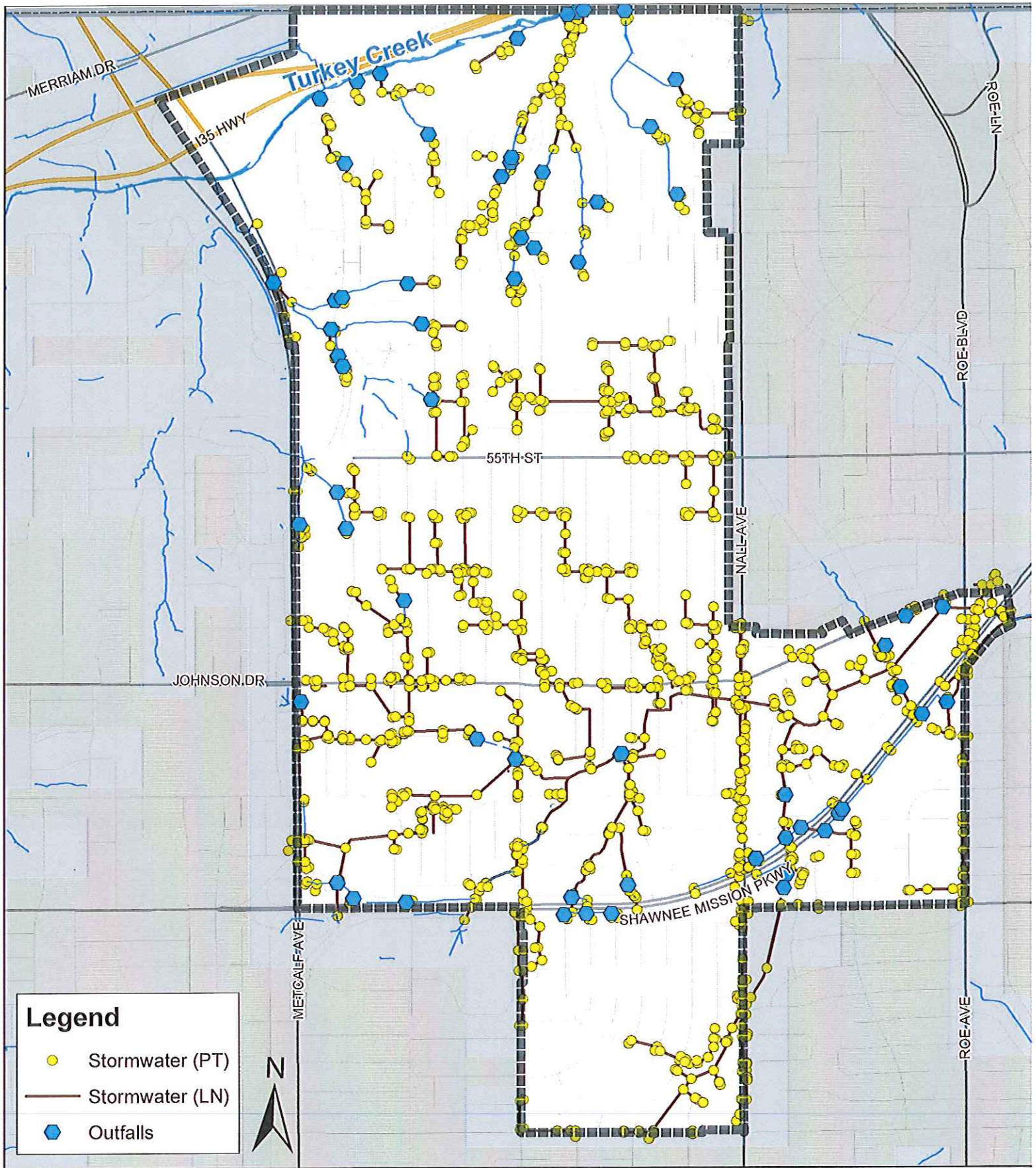
KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT

Municipal Programs Section

1000 SW Jackson Street, Suite 420

Topeka, Kansas 66612

ATTACHMENTS



mission
Kansas

Storm Sewer Map

2. Executive Summary

Append an executive summary to this report which briefly covers the major aspects of the MS4 stormwater management program enacted during the year. In completing the executive summary, the preparer should address the following questions:

1. Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?
2. Were there any aspects of the program that provided unsatisfactory results?
3. What was the most successful part of the program?
4. What was the most challenging aspect of the program?
5. Describe any City/County area MS4 clean-ups and the participation.
6. Describe the elected officials' participation in the stormwater pollution elimination.
7. Describe the collaboration with other organizations to eliminate stormwater pollution.
8. If an audit/inspection of your MS4 program was conducted by EPA or KDHE during the year, list the items the audit/inspection report identified as required changes and provide a narrative explanation of how the changes were implemented or explain the plan to implement the changes and identify a target date for final implementation.

The executive summary does not need to be extensive and detailed. It is anticipated the executive summaries will range from one half of a page to two pages in length depending on the scope of the program.

- 1) The City of Mission partnered with the Johnson County Stormwater Management Program (JCSMP), who coordinated a cooperative approach for permitted Johnson County cities to help meet selected minimum control measures mandated in the NPDES Phase 2 MS4 permits. We believe that our efforts under public education (MCM 1) and public participation (MCM 2) that were focused on responsible lawn care practices and anti-littering were very successful at reaching a broad number of residents with messaging that hopefully will encourage behavior change or, at the very least, increase awareness. Additionally, our activities including inlet cleaning, street sweeping, and availability of pet waste receptacles were also very effective in reducing pollutants. Providing these functions, as well as partnering with Johnson County for MCMs, is effective and beneficial to the City of Mission since we have a small amount of staff who are responsible for all Public Works functions, including stormwater efforts for our MS4 permit.

- 2) There were no aspects of the program that were unsatisfactory; however, we plan to focus on evaluating our requirements for redevelopment in the City of Mission in 2021 as it relates to Post-Construction Stormwater Management for redevelopment of existing impervious properties that are greater than 1 acre.
- 3) Mission includes information on sustainability and BMPs to reduce pollutants in stormwater with articles on littering, recycling, planting trees, and yard waste in the Mission Magazine and website to bring awareness to residents and businesses in the City of Mission. 13,000 households received four mailings of the Mission Magazine in 2020. Public education and outreach efforts through the multiple approaches from the city, county, and regional levels were successful. The ability to conduct outreach through multiple outlets will hopefully continue to increase the public's awareness of water quality issues and how they can help. Additionally, the partnership with K-State Extension promotes water quality messaging where surveys indicate the public seeks information regarding their lawn and garden care and therefore targeting a likely source for excess nutrients in urban streams.
- 4) 2020 was a challenging year for the City of Mission. Many planned outreach activities were cancelled or severely reduced due to COVID 19 restrictions.
- 5) Many of the clean-up events and participations are listed in the Annual Report and are also listed below:
 - Rotary Park Clean-Up on 11/7/2020: Club Scout Pack 3184; 8 volunteers; 4 bags;
 - Rock Creek Trail Clean-Up on 7/1/2020: High School Volunteers; 5 volunteers; 25 bags;
 - Adopt-A-Street Program:
 - Shawnee Mission Parkway, 8/6/2020: Mission Sustainability Commission; 4 volunteers; 2 bags;
 - 51st St. & Lamar Ave. to 51st St. & Dearborn St.; 3/12/2020: Rushton Elementary; 43 volunteers; 8 bags
 - Public Works staff repaired and/or cleaned 115 stormwater inlets and junction boxes in 2020.
 - Public Works staff swept 1,300 lane miles of streets in 2020;
 - Public Works staff contracted with a subcontractor to inspect 596 inlets and 59,921 linear feet of stormwater pipe in 2020;
 - Public Works staff collected 75,500 bags of pet waste in parks and trails in 2020.

- 6) The City Council supports Mission's programs to reduce stormwater pollutants and all activities associated with our NPDES MS4 permit. The City Council has passed a number of ordinances related to reduction of stormwater pollutants and BMPs including:
- Ordinance No. 1182 adopting APWA 5600 on 11/9/2005.
 - Ordinance No. 1181 adopting Erosion and Sediment Control Regulations and APWA 5100 on 11/9/2005.
 - Ordinance No. 1321 adopting the BMP Manual on 2/17/2010.
 - Ordinance No. 1201 adopting Stormwater Pollution Prevention Regulations regulating the discharge of pollutants from land and activities into the MS4 on 5/10/2006.
- 7) The City of Mission partnered with the Johnson County Stormwater Management Program (JCSMP), who coordinated a cooperative approach for permitted Johnson County cities to help meet selected minimum control measures mandated in the NPDES Phase 2 MS4 permits. In particular, the JCSMP coordinates efforts for some of the best management practices (BMPs) for Minimum Control Measures (MCM) 1 and 2, but also assists with MCMs 3-6. The coordinated approach through this partnership has proved to be cost effective and reduces redundancy amongst the cities in Johnson County. Also, on the behalf of Johnson County cities, the JCSMP partners with Johnson County K-State Extension, Mid-America Regional Council Water Quality Education Committee, Bridging the Gap, Friends of the Kaw, Stone Lion Puppet Theater, the City of Olathe Public Works (for Household Hazardous Waste Collection), and the Johnson County Department of Health and Environment.
- 8) An audit of Mission's MS4 program was not completed by KDHE or EPA during 2020.