



**MISSION**  
*Kansas*

**Kansas Stormwater 2023  
Annual Report  
Municipal Storm Sewer  
Systems (MS4)**

**Kansas Permit Number:  
M-KS45-SU01  
Federal Permit Number:  
KSR410021**

## **Executive Summary**

### **1. Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?**

The City of Mission, in collaboration with the Johnson County Stormwater Management Program (JCSMP), has demonstrated effective stormwater management initiatives to meet the NPDES Phase 2 MS4 permit requirements. Our targeted efforts in public education and participation, particularly in responsible lawn care practices and stormwater management, have successfully engaged residents, fostering behavior change and increasing awareness. The "Contain the Rain Program" by JOCO SMP and our city's activities, including inlet cleaning, street sweeping, and pet waste receptacles, have proven highly effective in reducing pollutants.

### **2. Were there any aspects of the program that provided unsatisfactory results?**

There were no aspects of the program that were unsatisfactory.

### **3. What was the most successful part of the program?**

Notably, the BMP Cost/Share Program and extensive public education efforts have been significant successes. The number of participants in the BMP Cost/Share Program increased steadily, indicating its ongoing success. Collaborative outreach from the city, county, and regional levels, including a partnership with K-State Extension, has successfully increased public awareness of water quality issues.

### **4. What was the most challenging aspect of the program?**

Despite these successes, Mission faces challenges due to limited staffing levels, as our small staff manages all Public Works functions, including stormwater efforts for our MS4 permit. However, no aspects of the program yielded unsatisfactory results.

### **5. Describe any City/County area MS4 clean-ups and the participation.**

Our city actively participated in various clean-up events, adopt-a-street programs, and maintenance activities, showcasing our commitment to stormwater pollution elimination. The City Council's unwavering support and the passage of ordinances related to stormwater pollution reduction underscore the commitment of elected

officials. In addition to the cleanup events listed in the annual report, public works staff repaired and/or cleaned 150 stormwater inlets and junction boxes, swept 230 lane miles of streets in and collected 64,000 bags of pet waste in parks and trails in 2023.

**6. Describe the elected officials' participation in the stormwater pollution elimination.**

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 several ordinances related to reduction of stormwater pollutants and BMPs including:

- Ordinance No. 1181 adopting Erosion and Sediment Control Regulations and APWA 5100 on 11/9/2005.
- Ordinance No. 1182 adopting APWA 5600 on 11/9/2005.
- Ordinance No. 1320 adopting Erosion and Sediment Control Regulations on 2/17/2010.
- 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. Describe the collaboration with other organizations to eliminate stormwater pollution.**

Collaboration with JCSMP and other organizations, including Johnson County K-State Extension, JOCO Water Quality Laboratory, and community groups, has facilitated a coordinated and cost-effective approach that reduces redundancy to meet NPDES requirements such as best management practices (BMPs) for Minimum Control Measures (MCM) 1 and 2, but also assist with MCMs 3-6.

**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.**

Mission did not undergo an audit/inspection by KDHE or EPA in 2023. Looking ahead, we remain dedicated to continuous improvement and proactive measures to address any potential future audit requirements.

In conclusion, the City of Mission's NPDES program showcases successful initiatives, collaboration with partners, and unwavering support from elected officials, positioning us well for continued effective stormwater management.

KANSAS STORMWATER 2023 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:	4775 Lamar Avenue
<input type="checkbox"/>	Municipality:	City of Mission
	State:	Kansas
<input type="checkbox"/>	Zip Code:	66202
<input checked="" type="checkbox"/>	MS4 Program Contact - Person:	Stephanie Boyce
<input checked="" type="checkbox"/>	Contact E-Mail Address:	sboyce@missionks.org
<input type="checkbox"/>	Contact Phone Number:	913-676-8381
<input checked="" type="checkbox"/>	MS4 Program Construction Contact - Person	Stephanie Boyce
<input checked="" type="checkbox"/>	Construction E-Mail Address:	sboyce@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, 2023 through December 31, 2023.

This annual report must be submitted to the Kansas Department of Health and Environment (KDHE) by February 28th, 2024. The annual report is to be submitted as PDF files to KDHE via Kansas Environmental Information Management System (KEIMS). There is no requirement to provide hard copies of any documents.

**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.

**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 Plan and to reduce the discharge of pollutants to the maximum extent practicable. The measurable goals and the progress are outlined in the Minimum Control Measures 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 other test results or surveys were completed during 2023. No public comments

were received on this Plan and no other public comments were received 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 2023 are summarized in the following tables for each Minimum Control Measures 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 2023. Print media education will occur quarterly in the Johnson County Magazine and the Mission Magazine.
6. Provide a map showing changes in the permittee's Permit Area if the permit area has changed within the year. There have been no changes 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, all procedures were evaluated and upgraded 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. As discussed in this report, Johnson County Stormwater Management Program (SMP) assists Mission (and other Johnson County cities) with our NPDES program by providing public education and outreach, a stormwater telephone hotline, stormwater education for students, financial support to encourage residents to install stormwater BMPs, a scholarship fund for students, a program to upgrade failed on-site wastewater treatment systems, a Household Hazardous Waste Collection Program, and a contractor licensing program.
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 (BMPs) 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 BMPs 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.

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

#### **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. BMPs to prevent or minimize adverse water quality impacts;
- b. Strategies which include a combination of structural and/or non-structural BMPs 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 BMPs

**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?
<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 BMPs and/or revised goals to avoid being in a position of non-compliance. However; reasonable BMPs with reasonable goals must be implemented or KDHE may require the permittee to modify the SMP to include additional or better BMPs and/or more reasonable goals.

**C. Total Maximum Daily Load (TMDL) Best Management Practices (BMPs)**

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 BMPs 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 BMPs 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.

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**D. TMDL BMP Table**

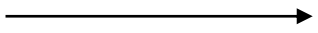
The BMPs listed in the below table should add up to a minimum of 6 points.

<b>BMP ID NUMBER</b>	<b>BRIEF BMP DESCRIPTION</b>	<b>REGULATED TMDL PARAMETERS</b>	<b>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</b>	<b>POINTS CLAIMED</b>
	No TMDLs required in Mission.			
<b>TOTAL POINTS CLAIMED FOR TMDL</b> 				<b>N/A</b>

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

1. Public Education and Outreach (Table)


List all of the public education and outreach BMPs as identified in the SMP and provide the requested information in the following table. The BMPs listed in the below table should add up to a minimum of 7 points.

<b>BMP ID NUMBER</b>	<b>BRIEF BMP DESCRIPTION</b>	<b>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</b>	<b>POINTS CLAIMED</b>
P Ed & 0 - 01	Maintain a stormwater webpage for the permittee.	The website has up to date information with links and valid information. A spreadsheet is maintained documenting monthly checks to make sure the links are still working. The only change to the website in 2023 was to add the 2022 annual report.	2
P Ed & 0 - 02	Distribute educational materials.	JOCO SMP provided funding in 2023 to the K-State Research & Extension Office in Johnson County to produce stormwater educational materials in the JoCo Magazine. A total of 5 educational articles/flyers were included in 4 separate issues of the JOCO Magazine which is distributed to all County homes.	2
P Ed & 0 - 05	Post the municipality's MS4 permit and SMP document on either the stormwater web page or the municipal webpage	The MS4 permit and SMP document are on the stormwater web page and links are checked monthly and documented in a spreadsheet. These have been posted at least six months of the year.	1
P Ed & 0 - 06	Provide a phone and/or web-based system for public reporting of illicit discharges.	The JOCO DHE maintains a 24/7 pollution response system to the public for all cities and citizens in Johnson County to report stormwater pollution. A total of 0 pollution event were reported a responded to by the JOCO DHE in 2023 for the City of Mission.	2
<b>TOTAL POINTS CLAIMED FOR PUBLIC EDUCATION AND OUTREACH</b> 			<b>See next pg</b>

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

1. Public Education and Outreach (Table)

List all of the public education and outreach BMPs as identified in the SMP and provide the requested information in the following table. The BMP listed in the below table should add up to a minimum of 7 points.

<b>BMP ID NUMBER</b>	<b>BRIEF BMP DESCRIPTION</b>	<b>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</b>	<b>POINTS CLAIMED</b>
P Ed & 0 - 08	Provide stormwater education to K-12 students within the permittee's jurisdiction	JOCO SMP provided funding in 2023 to Friends of the Kaw, Hillsdale WRAPS, Olathe North High School, and Stone Lion Puppets to provide educational services to K-12 students. A total of 475 students in grades 8 were educated in 2023	3
<b>TOTAL POINTS CLAIMED FOR PUBLIC EDUCATION AND OUTREACH</b> 			<b>10</b>

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

2. Public Involvement and Participation (Table)

List all public involvement and participation BMPs as identified in the SMP and provide the requested information in the following table. The BMPs listed in the below table should add up to a minimum of 6 points.

<b>BMP ID NUMBER</b>	<b>BRIEF BMP DESCRIPTION</b>	<b>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</b>	<b>POINTS CLAIMED</b>
P I/P – 03	Hold park or stream bank clean-up events for public volunteers to aid municipal staff in removing trash, debris, or pollutant sources from the selected clean-up area.	Earth Day City-Wide Cleanup (4/22/2023): 150 volunteers; 82 bags  Adopt-A-Street Program: <ul style="list-style-type: none"> <li>• Rushton Elementary: 51<sup>st</sup> Street, Lamar to Dearborn: (4/21/2023): 50 volunteers; 15 bags</li> <li>• Mission Sustainability Commission: Shawnee Mission Parkway (9/30/2023): 7 volunteers; 6 bags</li> <li>• Shawnee Mission Rotary (11/4/2023): 4 volunteers; 4 bags</li> </ul> Park Clean Up Events: <ul style="list-style-type: none"> <li>• Beverly (4/25/23): 12 volunteers; 6 bags</li> <li>• Rock Creek Trail (5/25/23): 14 volunteers; 10 bags</li> <li>• Legacy (6/12/23): 2 volunteers; 4 bags</li> </ul>	3
P I/P – 06	Establish a program to encourage residents to install stormwater treatment BMPs.	JOCO SMP provided funding in 2023 for the Contain the Rain Program which was open to all cities in Johnson County. A total of 8 projects were approved, receiving \$2,300.58 in reimbursement in 2023.	2
P I/P – 08	Provide a monetary donation to a scholarship fund for students pursuing a degree in an environmental field.	JOCO SMP funded the work of a University of Kansas graduate student to support their studies and research associated with a water quality project. The amount provided in scholarship is \$20,000 between 2021-2024	2
<b>TOTAL POINTS CLAIMED FOR PUBLIC INVOLVEMENT AND PARTICIPATION</b> →			<b>7</b>

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

**3. 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"/>	<p>Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4?</p> <p>If yes, describe the plan below: A program was set up in 2021 to evaluate MS4 outfalls to identify illicit discharges and inspect at least 5% of the known MS4 outfalls and evaluate dry weather discharges. In addition, the City prepared and implemented a Spill Prevention Control and Countermeasures Plan in 2021. This Plan includes the appropriate spill response activities.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>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? If yes, attach map.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>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?</p> <p>If yes, list ordinances/resolutions and their effective dates below: Ordinance #1201, effective date May 10, 2006</p>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Have the ordinances, resolutions, or regulations been modified?</p> <p>If yes, list ordinances/resolutions and their effective dates below: N/A</p>

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

**E. Stormwater Management Program Requirements (Six Minimum Control Measures) (CONTINUED)****3. Illicit Discharge Detection and Elimination (Table)**

List all illicit discharge detection and elimination BMPs as identified in the SMP and provide the requested information in the following table. The BMPs listed in the below table should add up to a minimum of 7 points.

<b>BMP ID NUMBER</b>	<b>BRIEF BMP DESCRIPTION</b>	<b>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</b>	<b>POINTS CLAIMED</b>
IDD & E -02	Implement a program to abandon failed or failing residential on-site wastewater treatment systems, and require upgrades or replacements of failed systems.	JOCO DHE continued to operate a program that oversees the septic system inspection and enforcement across most of Johnson County. A total of 1 inspection was conducted by JOCO DHE in 2023.	1
IDD & E -03	Develop a spill response plan and, if appropriate, coordinate emergency response with other agencies or organizations.	The City prepared and implemented a Spill Prevention Control and Countermeasures Plan in 2021. This Plan includes the appropriate spill response activities listed in measurable goals and is maintained on file.	2
IDD & E -04	Implement a program to evaluate MS4 outfalls to identify illicit discharges. Inspect at least 5% of the known MS4 outfalls during a calendar year and evaluate the ones which have dry weather discharges. Evaluate the water quality of the dry weather discharges to recognize non-stormwater contributions and trace the source of any illicit discharge.	A program was set up in 2021 to evaluate MS4 outfalls to identify illicit discharges and inspect at least 5% of the known MS4 outfalls and evaluate dry weather discharges. This program was continued in 2023.	1
IDD & E -07	Implement a household hazardous waste collection program.	JOCO SMP provided funding in 2023 to both the JOCO HHW and City of Olathe HHW facilities to ensure all citizens could utilize these facilities. A total of 229 Mission residents attended HHW facilities in 2022.	3



IDD & E -10	Inspect 5% of the MS4 system stormwater inlets and/or outfalls within the permit area all conducted within a 12-month period to aid in identifying illicit discharges. If in a 12-month period 15% of the MS4 system inlets and/or outfalls are inspected a higher point value may be claimed in the year the required percentage of inspection are completed.	There are 59 MS4 outfalls within the City, of which 6 were inspected this year (10% of the total outfalls). There were no dry weather discharges observed during the inspection.	3
<b>TOTAL POINTS CLAIMED FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION</b> →			<b>10</b>

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

## 4. 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>If yes, list ordinances/resolutions and their effective dates below: Ordinance # 1181, effective 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"/>	<p>Has a procedure or program been developed requiring construction site owners and/or operators to implement appropriate erosion and sediment control best management practices?</p> <p>If yes, describe plan below: On 2/17/2010 per ordinance 1320, the city put in place Erosion and Sediment Control standards and procedures for building construction projects in the City of Mission that disturb less than one acre. The purpose of this regulation is to require certain construction-related procedures and practices that will minimize erosion and prevent sediments from entering the city's storm sewer system during land disturbance activities. Mission also adopted the MARC/APWA BMP Manual by Ordinance No. 1321 on 2/17/2010 which requires BMPs for sites disturbing equal to or greater than one acre. In addition, the City adopted Ordinance 1201 which addresses Stormwater Pollution Prevention to prevent the discharge of pollutants from land and activities within the City into the municipal separate storm sewer system and/or into surface waters.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>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?</p> <p>If yes, describe procedure/program below: the City adopted Ordinance 1201 which addresses Stormwater Pollution Prevention to prevent the discharge of pollutants from land and activities within the City into the municipal separate storm sewer system and/or into surface waters.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Has a procedure been developed and implemented requiring site plan review which includes consideration of potential water quality impacts?</p> <p>If yes, describe procedure below: Mission adopted APWA Section 5100 Erosion</p>

			and Sediment Control by Ordinance 1321 on 2/17/2010 which includes an Erosion and Sediment Control Checklist in Table 1 for site plan review. This table is used when reviewing site plans for erosion and sediment control measures.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Has a procedure been developed for the receipt and consideration of information submitted by the public?</p> <p>If yes, describe procedure below: Information from the public may be submitted in several ways to the City including the City's Report a Concern form location on our website, via phone or email. All methods are monitored during business hours.</p>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Has a procedure been developed and implemented for construction site inspection and enforcement of the control measures?</p> <p>If yes, describe procedure below: The City adopted APWA 5100 (Erosion and Sediment Control) by Ordinance No. 1181 on 11/9/2005. APWA 5100 requires submittal of a SESC Plan. Additionally, the City requires a Land Disturbance Permit which also stipulates a SESC Plan be submitted prior to disturbance of land equal to or greater than 1 acre. In addition, Mission adopted the MARC/APWA BMP Manual by Ordinance No. 1321 on 2/1/7/2010 which requires BMPs for sites disturbing equal to or greater than 1 acre. There were 2 sites which were disturbed greater than 1 acre in 2023.</p>

List all the construction site stormwater runoff control 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) (CONTINUED)****4. Construction Site Stormwater Runoff Control (Table)**

List all construction site stormwater runoff control BMPs as identified in the SMP and provide the requested information in the following table. The BMPs listed in the below table should add up to a minimum of 6 points.

<b>BMP ID NUMBER</b>	<b>BRIEF BMP DESCRIPTION</b>	<b>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</b>	<b>POINTS CLAIMED</b>
<b>CS SR C – 01</b>	Implement a requirement for a Soil Erosion and Sediment Control (SESC) Plan for any land disturbance sites which are either equal to or greater than 1 acre or for which there is construction activity disturbing less than 1 acre which is part of a larger common plan of development or sale that in total disturbs one acre or more.	The City adopted APWA 5100 (Erosion and Sediment Control) by Ordinance No. 1181 on 11/9/2005. APWA 5100 requires submittal of a SESC Plan. Additionally, the City requires a Land Disturbance Permit which also stipulates a SESC Plan be submitted prior to disturbance of land equal to or greater than 1 acre.	2
<b>CS SR C – 02</b>	Develop and adopt a design manual for erosion and sediment control BMPs which are required to be used on sites which will be disturbed and are either equal to or greater than 1 acre or for which there is construction activity disturbing less than one acre which is part of a larger common plan of development or sale that in total disturbs one acre or more	Mission adopted the MARC/APWA BMP Manual by Ordinance No. 1321 on 2/1/7/2010 which requires BMPs for sites disturbing equal to or greater than 1 acre. There were 2 sites which were disturbed greater than 1 acre in 2023.	2
<b>CS SR C – 03</b>	Provide access to at least one training class for contractors.	JOCO SMP funded two trainings for contractors through the JOCO Contractor Licensing Office that focused on erosion and sediment control activities. A total of 72 contractors attended the trainings, with 44 receiving ESC Inspector certification.	3

<b>CS SR C – 04</b>	Develop a site plan review process which considers potential water quality impacts which may occur during construction as well as post construction impacts.	Mission adopted APWA Section 5100 Erosion and Sediment Control by Ordinance 1321 on 2/17/2010 which includes an Erosion and Sediment Control Checklist in Table 1 for site plan review. This table is used when reviewing site plans for erosion and sediment control measures. 5 site plans were reviewed and approved with appropriate erosion and sediment control measures in 2023.	2
<b>CS SR C – 05</b>	Establish effective requirements for construction sites to control wastes. Develop through ordinance or other enforceable means requirements for construction site operators or owners to control wastes. At a minimum control shall be imposed to prevent entry into the MS4 for the following wastes: discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste.	Mission’s Municipal Code (Chapter 500) requires a Land Disturbance permit for sites disturbing equal to or greater than 1 acre. The Land Disturbance Application Checklist includes the requirement to submit a site-specific plan for disposal of building materials and litter, concrete washout areas, fuel, chemical and miscellaneous fluids containment, sanitary wastes, and all other pollutants onsite that may have an adverse impact to water quality.	2
<b>CS SR C – 06</b>	Develop written procedures for inspection of construction sites. Develop a Stormwater Construction Site Inspection Guide for use by municipal inspectors.	A written procedure was developed for inspection of construction sites in 2021, as well as a Stormwater Construction Site Inspection Guide for municipal inspectors. Five sites with construction permits were inspected for appropriate stormwater and erosion control measures in 2023.	2
<b>TOTAL POINTS CLAIMED FOR CONSTRUCTION SITE STORMWATER RUNOFF CONTROL</b> →			<b>13</b>

**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"/>	<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 and redevelopment projects been enacted?</p> <p>If yes, list ordinances/resolutions and their effective dates below: Ordinance # 1181, Effective 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"/>	<p>Has a post-construction stormwater runoff program been implemented?</p> <p>If yes, describe the program below: A Post-Construction Stormwater Quality Treatment Regulation was approved per ordinance 1321 on 2/17/2010. The purpose of this regulation is to establish post-construction stormwater quality management requirements and controls on any new development or redevelopment projects that disturb greater than or equal to one acre of land. This regulation also establishes a requirement for the long-term maintenance of stormwater quality facilities following construction to protect the city’s drainage system, streamways and water bodies.</p>
<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 BMPs 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"/>	<p>Have measures been implemented to ensure adequate long-term operation and maintenance of structural BMPs?</p> <p>If yes, describe measures below: A program and Standard Operating Procedure (SOP) were developed and implemented for inspection of the City’s BMPs in 2021. There are three BMPs owned by the City of Mission and all were inspected in November 2023. (Please note that the Foxridge BMP is located on Johnson County Wastewater property and was removed in 2022 due to reconstruction of the WWTF. The BMP will be replaced once construction is completed.)</p>

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.

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

5. Post-Construction Stormwater Management (Table)

List all post-construction stormwater management BMPs as identified in the SMP and provide the requested information in the following table. The BMPs listed in the below table should add up to a minimum of 7 points.

<b>BMP ID NUMBER</b>	<b>BRIEF BMP DESCRIPTION</b>	<b>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</b>	<b>POINTS CLAIMED</b>
P-C SM-01	Develop an adopt a custom design manual for Post-Construction Stormwater Management which specifies various structural BMPs required for new development and re-development construction sites which are greater than 1 acre or for where there is construction activity disturbing less than 1 acre which is part of a larger common plan of development or sale that in total disturbs one acre or more. Alternatively, adopt an implement the APWA 5600 Stormwater Design Criteria and the MARC/APWA BMP Manual.	APWA 5600 was adopted by Ordinance No. 1182 on 11/9/2005. The Erosion and Sediment Control Regulations and APWA 5100 (Erosion and Sediment Control) were adopted by Ordinance No. 1181 on 11/9/2005. APWA 2150 (Division II Construction and Material Specifications Section 2150 Erosion and Sediment Control) was adopted by Ordinance No. 1320 on 2/17/2010. The MARC/APWA BMP Manual was adopted by Ordinance 1321 on 2/17/2010.	5
P-C SM-05	Develop and implement a program for inspection of permittee owned structural BMPs which includes implementation of needed maintenance to ensure long-term operation of the BMPs.	A program and Standard Operating Procedure (SOP) were developed and implemented for inspection of the City's BMPs in 2021. There are three BMPs owned by the City of Mission and all were inspected in November 2022. (Please note that the Foxridge BMP is located on Johnson County Wastewater property and was removed in 2022 due to reconstruction of the WWTF. The BMP will be replaced once construction is completed.) Maintenance was completed on three BMPs in November 2023 and additional maintenance will be performed in 2024.	2
<b>TOTAL POINTS CLAIMED FOR POST-CONSTRUCTION STORMWATER MANAGEMENT</b> →			<b>7</b>

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

**6. Municipal Pollution Prevention/Housekeeping**

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

YES	NO	N/A	
☒	☐	☐	<p>The permit requires the permittee to enact a program to address pollution prevention/good housekeeping for Municipal Operations. Has such a program been enacted?</p> <p>If yes, describe program below: Mission adopted the California Stormwater Quality Association Municipal BMP Handbook (2004), which was modified for the City of Mission in 2021. The Handbook includes a section (SC-21 Vehicle and Equipment Cleaning) which provides guidance on vehicle washing. The City has an inside vehicle washing station and all wash water drains to the sanitary sewer. In addition, The City has created maps of each area to be swept, which shows the individual streets within each area and lane miles. A log book is maintained that lists the areas that are swept and dates of sweeping. Additionally, the log states that the street sweepings are loaded into dumpsters and hauled to the local compost landfill. Finally, the City conducts an employee training program to discuss stormwater pollution. This includes presenting and discussing the requirements of the City's SPCC Plan and topics in the Municipal BMP Handbook such as Spill Prevention Control and Cleanup and Drainage System Maintenance. Training logs documenting training are maintained, and training is conducted a minimum of twice per year.</p>

List all the municipal pollution prevention/housekeeping 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) (CONTINUED)****6. Municipal Pollution Prevention / Housekeeping (Table)**

List all municipal pollution prevention / housekeeping BMPs as identified in the SMP and provide the requested information in the following table. The BMPs listed in the below table should add up to a minimum of 6 points.

<b>BMP ID NUMBER</b>	<b>BRIEF BMP DESCRIPTION</b>	<b>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</b>	<b>POINTS CLAIMED</b>
<b>P P/G H- 04</b>	Implement a program, with guidance to municipal staff or third-party contractors, to ensure any municipal vehicle or other mechanical equipment washing is conducted in a manner which ensures the wash water is disposed of in the sanitary sewer or otherwise receives proper treatment prior to discharge to the environment.	Mission adopted the California Stormwater Quality Association Municipal BMP Handbook (2004), which was modified for the City of Mission in 2021. The Handbook includes a section (SC-21 Vehicle and Equipment Cleaning) which provides guidance on vehicle washing. The City has an inside vehicle washing station and all wash water drains to the sanitary sewer. Staff was trained on 12/21/2023 with requirements for vehicle washing.	1
<b>P P/G H- 05</b>	Implement a program for street sweeping in which the street sweepings are collected and disposed of properly or recycled/reused if possible.	The City has created maps of each area to be swept, which shows the individual streets within each area and lane miles. A log book is maintained that lists the areas that are swept and dates of sweeping. Additionally, the log states that the street sweepings are loaded into dumpsters and hauled to the local compost landfill. Mission currently has 89.30 lane miles and 460.58 lane miles were swept in 2023.	2
<b>P P/G H- 06</b>	Develop an employee training program to ensure permittee's staff understand what actions they can take in the workplace to minimize stormwater pollution.	The City conducts an employee training program to discuss stormwater pollution. This includes presenting and discussing the requirements of the City's SPCC Plan (training held on 11/16/2023), and topics in the Municipal BMP Handbook (12/21/2023 training). Topics included Spill Prevention Control and Cleanup and Drainage System Maintenance. Training logs documenting training are maintained, and training is conducted a minimum of twice per year.	1
<b>P P/G H- 08</b>	Develop, implement and keep updated an online storm sewer map accessible to the public	The Johnson County Automated Information Mapping System ( <a href="https://aims.jocogov.org/">https://aims.jocogov.org/</a> ) is a publicly available mapping system showing the MS4 lines and TMDL listed streams for all municipalities in Johnson County.	2

**TOTAL POINTS CLAIMED FOR MUNICIPAL POLLUTION PREVENTION / HOUSEKEEPING** →

**6**

**SMP Requirements (Six Minimum Control Measures) (Continued)**

**7. 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? If yes, list inspected facilities and the results of the inspections below:
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If the answer to items 1 and 2 is “No,” provide a statement.   

**E. 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 attach map and fill out 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>KEIMS Site Name</i>	<i>001A - Farwell</i>	<i>001B - Arsenal</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>Lat/Long Data Decimal &amp; Degree Format</i>		
<i>Latitude</i>	<i>42.367056°</i>	<i>42.358910°</i>
<i>Longitude</i>	<i>-71.218089°</i>	<i>-71.161087°</i>

Please fill out table below accordingly and review the example map and table on the previous page for reference. The Site Names can be viewed in KEIMS under Discharge Monitoring Reports.

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

### Sample Site Information Tables

KEIMS Site Name		

Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

KEIMS Site Name		
Sample Location Description		

Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

KEIMS Site Name		
Sample Location Description		

Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

KEIMS Site Name		
Sample Location Description		

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: Stephanie Boyce Date Signed 2/27/2024  
(Legally responsible person)

Name Printed: Stephanie Boyce 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.

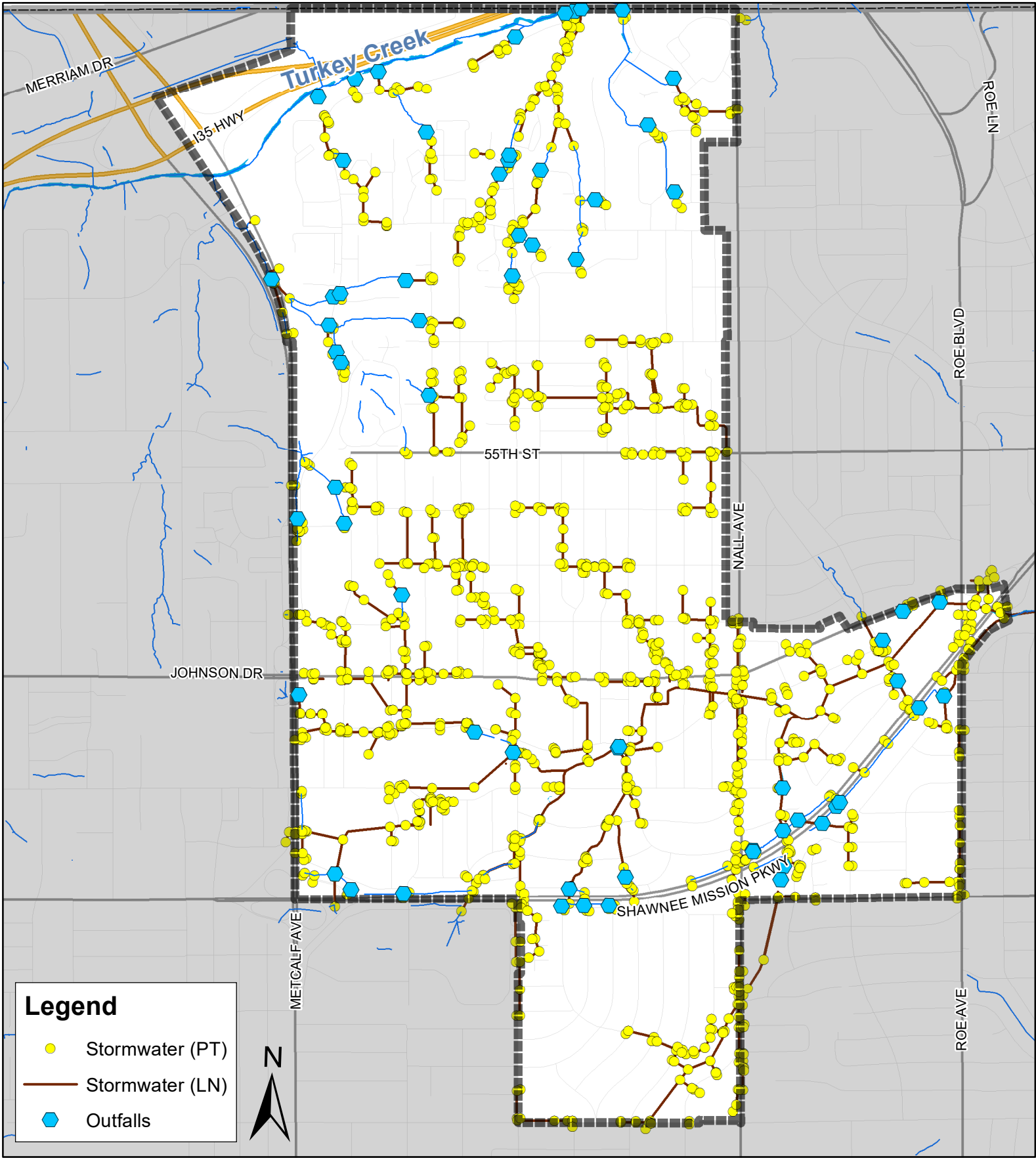
**KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT**

Municipal Programs Unit

1000 SW Jackson Street, Suite 420

Topeka, Kansas 66612

[KDHE.MS4@ks.gov](mailto:KDHE.MS4@ks.gov)



**Legend**

- Stormwater (PT)
- Stormwater (LN)
- ⬡ Outfalls



**mission**  
*Kansas*

Storm Sewer Map