

KANSAS STORMWATER 2024 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

	Permittee [Agency Name] Mailing Address 1:	1101 Poyntz Ave
	Mailing Address 2:	
	Municipality:	City of Manhattan
	State:	Kansas
	Zip Code:	66502
<input type="checkbox"/>	MS4 Program Contact - Person:	William Heatherman
<input type="checkbox"/>	Contact E-Mail Address:	bill.heatherman@cityofmhk.com
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	Kansas Permit Number: — Ex. M-MC21-SU01	M-KS38-SN01

Reporting period covers activities from January 1, 2024 through December 31, 2024.

This annual report must be submitted to the Kansas Department of Health and Environment (KDHE) by February 28th, 2025. 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. 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.

2. 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.
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.
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.
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.
5. Provide a summary of the stormwater activities which are scheduled to be undertaken during the next calendar year (including an implementation schedule).

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

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the current SMP been submitted to KDHE via KEIMS?

If the answer to item 3 is a "NO," a copy of the updated SMP must be uploaded to KEIMS. 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. Stormwater Management Program Requirements (Six Minimum Control Measures)

1. Public Education and Outreach

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 been developed and implemented to educate the public about stormwater topics?

C. 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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
P ED & O - 01	Webpage	The city's webpage was checked throughout the entirety of 2024. All information and links on the webpage are current.	2
P Ed & O - 05	Posting Permit	Both the city's MS4 and SMP document are posted on the Stormwater webpage throughout the entirety of the 2024 calendar year.	1
P Ed & O – 06	Hot line/ Reporting System	The City of Manhattan Stormwater Program responds to complaints via ReportIt app and over the phone. All calls and tickets submitted on-line are responded to within 48 hours and resolved, depending on size and severity, within 20 days.	2
P Ed & O – 07	Education for Small Groups	The four groups provided educational materials in 2024 included teachers & schools via KACEE, Residents, Developers, and floodplain communities. We presented at teacher work days, posted on social media, provided information at public events, newsletter postings, and hosted annual erosion control training.	3
TOTAL POINTS CLAIMED FOR PUBLIC EDUCATION AND OUTREACH 			10

C. 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 BMP listed in the below table should add up to a minimum of 7 points.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
P Ed & O – 15	Social Media	The Stormwater Program posted 13 times in 2024 about various topics related to Stormwater. Some of the topics included Earth day posts, Riley County Household Hazardous Waste, yard waste, "We All Live Downstream", pet waste cleanup, and "Only Rain Down The Drain".	2
TOTAL POINTS CLAIMED FOR PUBLIC EDUCATION AND OUTREACH 			10

C. 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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR PUBLIC EDUCATION AND OUTREACH 			

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

1. Public Education and Outreach (Table)

List all 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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR PUBLIC EDUCATION AND OUTREACH 			

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

1. Public involvement and Participation

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 public involvement and participation program been developed and implemented to solicit public comments and recommendations regarding BMPs and measurable goals utilized to comply with the permit?

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
P I/P – 01	Public Forum	The City Stormwater & Floodplain Program held an online public forum November 20th, 2024. Some of the topics included local watershed information, common pollutants & illicit discharges, pollinator pockets, green infrastructure/ post-construction BMPs, construction site erosion control, and floodplain information.	2
P I/P - 03	Park or Stream Cleanup	The City of Manhattan Stormwater Program sponsored the 1st Annual Little Apple Cleanup on August 27th, 2024. The Event was held at Linear Park in MHK and hosted by Friends of the KAW. 40-50 Volunteers showed up to help pick up along the Big Blue river bank as well as along linear trail.	3
P I/P - 07	Pet Waste Ordinance	Manhattan Municipal Code Sec. 32-190 prohibits improper disposal of pet wastes. Signage is posted in each city park and is routinely checked to make sure disposal bags are stocked. The signs posted remind members of the community about their obligation to dispose of their pets waste.	1
TOTAL POINTS CLAIMED FOR PUBLIC INVOLVEMENT AND PARTICIPATION →			6

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR PUBLIC INVOLVEMENT AND PARTICIPATION 			

C. 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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR PUBLIC INVOLVEMENT AND PARTICIPATION →			

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR PUBLIC INVOLVEMENT AND PARTICIPATION →			

C. SMP Requirements (Six Minimum Control Measures)

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"/>	Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4, including dry weather monitoring?
<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? If yes, attach map.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have ordinances, or resolutions, or regulations to prohibit non-stormwater discharges into the storm sewer system been enacted?
			If yes, list ordinances/resolutions and their effective dates below: Article IV- Stormwater Management System Sec. 32-190 Effective Date: September 2007
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Have the ordinances, resolutions, or regulations been modified?
			If yes, list ordinances/resolutions and their effective dates below:

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
IDD&E – 01	Public Forum	The City Stormwater & Floodplain Program held an online public forum November 20th, 2024. Some of the topics included local watershed information, common pollutants & illicit discharges, pollinator pockets, green infrastructure/ post-construction BMPs, construction site erosion control, and floodplain information. The meeting was recorded and stored in our files to document.	2
IDD&E – 03	Spill Response Plan	In 2023 we coordinated with the Manhattan Fire Department (MFD) on the Riley County Spill Response Plan. MFD responds to hazardous materials incidents within the City of Manhattan. Public Works Street & Stormwater Department are contacted for minor spills. Our adopted Hazard Mitigation Plan is due for review/ updates in 2025.	2
IDD&E - 04	Dry Weather Outfall Inspections	In 2024 we identified 850 total outfalls within our current system and continued our program for routine inspections. 130 inspections were completed. The number of completed inspections calculates to a 15.3% rate of inspection. No illicit discharges were found during this round of inspections.	1
IDD&E - 07	Household Hazardous Waste	The Riley County Household Hazardous Waste Facility is promoted as our primary provider of this service. A convenient satellite pick-up is also held on the second Saturday of every month within city limits. Riley County reported 2,935 participants with a total of 169,113 pounds of hazardous waste collected for the fiscal year of 2024.	3
TOTAL POINTS CLAIMED FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION →			8

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION →			

C. SMP Requirements (Six Minimum Control Measures)

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"/>	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? If yes, list ordinances/resolutions and their effective dates below: Sec. 32-194 General Requirements for Construction Activity- Eff. September 2007
<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 BMPs as identified in the SMP and provide the requested information in the following table

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
CSSRC - 01	Require SESC Plan	This requirement exists in the city under Manhattan Municipal code Sec. 32-194 through 32-198. Under the ordinance there is a general requirement to provide for erosion, sediment, and general pollutant control during construction projects greater than or equal to 1 acre.	2
CSSRC - 02	Design Manual	Design resources used by the city for erosion and sediment control were reviewed in 2023 - a memo summarizing findings was created. Current guidance using KDHE and EPA manuals has been adequate. Stormwater standards adopted in 2023 give more attention to identifying challenges during design studies. Phased erosion control plans are more common in 2024.	2
CSSRC - 04	Site Plan Review Process	The site plan review process exists under ordinance 32-195 & 32-196. In 2024 we reviewed 10 Plat or other site reviews, 14 pre-app reviews, 7 public infrastructure projects and 15 building permit reviews. Our civil reviewers provided concept or detailed construction reviews for approximately 66 submittal in 2024 approximately 30 included erosion & sediment controls.	2
CSSRC - 05	Construction Wastes	Construction site waste is managed through our site visits and Compliance Assistance Visit process. When inspecting sites, we look for anything that can enter our MS4. If violations are discovered, we address it with the contractor and suggest proper measures to be taken within a reasonable amount of time. If compliance isn't met, we use our violation process.	2
TOTAL POINTS CLAIMED FOR CONSTRUCTION SITE STORMWATER RUNOFF CONTROL →			8

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR CONSTRUCTION SITE STORMWATER RUNOFF CONTROL →			

C. SMP Requirements (Six Minimum Control Measures)

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? If yes, list ordinances/resolutions and their effective dates below: Sec. 32-194.- General requirements for construction activity Effective Date: September, 2007
<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 this past year?
<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"/>	Have measures been implemented to ensure adequate long-term operation and maintenance of structural BMPs?

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.

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
PCSM - 01	Post-Construction BMP Design Manual	In 2023, the city adopted the new Stormwater Management Criteria to guide design, including clearer study requirements and technical standards on stream buffer widths. We continue to use our prior Post-Construction BMP manual for water quality but added some revisions to align with standards and experience.	3
PCSM - 03	Operations & Maintenance	Operation and maintenance of municipally owned BMPs was continued in 2024. An inter-office memorandum was created in 2022 detailing the long-standing general procedures within the City for detention basins and public PCBMPs. In 2024 we were able to locate and map all known PCBMPs. 39 PCBMPs were identified in our system. Of those, 6 are city owned.	2
PCSM - 04	Master Plan	2024 was our first full year of implementing our new Stormwater Management Criteria that was adopted in 2023. Overall it went well, there has been more communication about stream buffers and better drainage impact studies. While not part of our plan to earn points this activity is important to the city.	0
PCSM - 05	Inspect Public BMPs	Six City owned BMPs have been identified within city limits. Two inspections were completed in 2024 to satisfy our 10% inspection rate. Locations were Sunset Zoo rain garden and Douglas Recreation center Bio-retention cell.	2
TOTAL POINTS CLAIMED FOR POST-CONSTRUCTION STORMWATER MANAGEMENT 			10

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
PCSM - 06	Inspect Private BMPs	Our Stormwater Program has identified 33 privately owned post construction BMPs within city limits. In 2024 we randomly inspected 7 locations. No issues were found in 2024 after the rounds of inspections.	3
TOTAL POINTS CLAIMED FOR POST-CONSTRUCTION STORMWATER MANAGEMENT →			10

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR POST-CONSTRUCTION STORMWATER MANAGEMENT →			

C. SMP Requirements (Six Minimum Control Measures)

6. 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?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is there a program to ensure proper use and storage of pesticides, herbicides, and fertilizers at permittee owned facilities?

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
PP/GH - 03	Pesticide Applications	The Stormwater program worked with Parks & Recreation to create a formal guidance document in 2022. It was verified in 2024 that the same requirements are in place. No division within the city uses restricted pesticides. Parks & Recreation has 7 employees are certified as of 2024.	1
PP/GH - 05	Street Sweeping	29,912 blocks of city streets were swept in 2024. This was lower than the previous years due to the removal of one street sweeper from 3 to 2. 90% of streets were swept and cleaned in 2024.	2
PP/GH - 06	Employee Training	The Stormwater program took a mixed approach to employee training in 2024. Two city-wide flyer's were sent out including information about our program and what city employees could do in everyday life to help protect stormwater. Targeted trainings were conducted for maintenance and other crews, including Parks, Water, Sewer, Engineering, and Risk Reduction	1
PP/GH - 07	Inlet Inspections & Cleaning	The Stormwater Maintenance crew actively cleans and inspects inlets throughout the year. When illegal dumping or a spill is detected the Maintenance Crew Leader contacts the Stormwater Officer to follow up with the investigation. 5 Illicit discharges were reported in 2024. Some of these included grease dumping, paint spills, and concrete washout. All were able to be resolved.	1
TOTAL POINTS CLAIMED FOR MUNICIPAL POLLUTION PREVENTION / HOUSEKEEPING →			7

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
PP/GH - 08	Online Storm Sewer Map	All information is available on the Riley County GIS website. The city plans to continue working with Riley County to keep relevant information monitored and up to date.	2
TOTAL POINTS CLAIMED FOR MUNICIPAL POLLUTION PREVENTION / HOUSEKEEPING →			7

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR MUNICIPAL POLLUTION PREVENTION / HOUSEKEEPING →			

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

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.

BMP ID NUMBER	BRIEF BMP DESCRIPTION	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR MUNICIPAL POLLUTION PREVENTION / HOUSEKEEPING →			

D. 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.

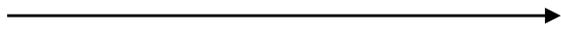
YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were any BMPs intended to reduce the discharge of TMDL regulated pollutants implemented? See your permit to determine if TMDL regulated pollutants are listed for the receiving stream affected by your stormwater system (TMDL Table).

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

This section
intentionally
left blank

D. TMDL BMP Table

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	REGULATED TMDL PARAMETERS	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TMDL - 01	Pet Waste Stations	E Coli	Parks & Recreation has a total of 32 pet waste stations in parks throughout the permitted area. No new stations were installed or removed in 2024. Parks & Recreation continues to order around 24,000 bags every 6-8 months.	1
TMDL - 05	Pet Waste Education	E Coli	Brochures are offered during volunteer events. The Stormwater program provides information about common pollutants within MHK. Pet waste information is also posted on social media multiple times a year and on the city's website for the entirety of the calendar year.	1
TMDL - 06	"Only Rain Down the Drain" Education	-Total Phosphorous -Nitrate/ Nitrite -Total Kjeldahl Nitrogen -Total Nitrogen -TSS -Turbidity -Ecoli	The city posts information on "only rain down the drain" education on its website and on social media platforms. This information stays on the website for the entire year.	2
TMDL - 07	More Dry Weather Outfall Inspections	-Total Phosphorous -Nitrate/ Nitrite -Total Kjeldahl Nitrogen -Total Nitrogen -TSS -Turbidity -Ecoli	In 2024 we identified 850 total outfalls within our current system. 130 inspections were completed. The number of completed inspections calculates to a 15.3% rate of inspection. No illicit discharges were found during this round of inspections.	3
TOTAL POINTS CLAIMED FOR TMDL 				7

D. TMDL BMP Table

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	REGULATED TMDL PARAMETERS	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)	POINTS CLAIMED
TOTAL POINTS CLAIMED FOR TMDL →				

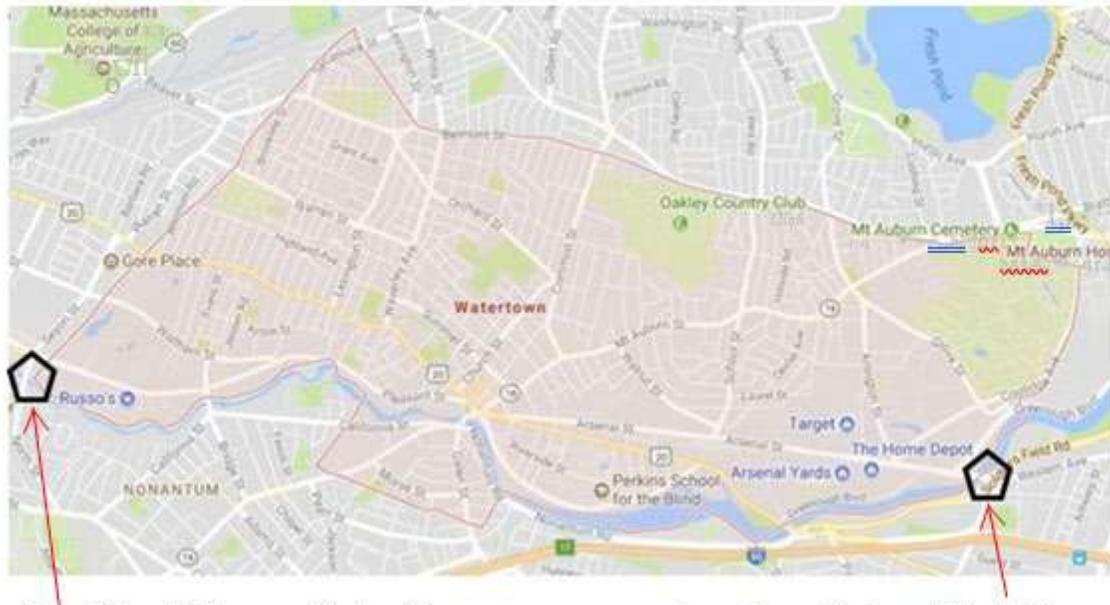
E. Stormwater Management Program Requirements (Six Minimum Control Measures)

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



Upstream Site: Farwell Street Bridge over Charles River

Downstream Site: Arsenal Street Bridge over Charles River

<i>KEIMS Feature Name</i>	<i>001A - Farwell</i>	<i>001B - Arsenal</i>
<i>Local 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 & 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 on the next page accordingly and review the example map and table on the previous page for reference. The Feature 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 Feature Name		
Local Description		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

KEIMS Feature Name		
Local Description		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

KEIMS Feature Name		
Local Description		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

KEIMS Feature Name		
Local Description		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

KEIMS Feature Name		
Local Description		
Lat/Long Data Decimal Degree Format (not degree-minutes-seconds)		
Latitude	°	°
Longitude	°	°

Copy and paste additional sample site information tables below as necessary.