



## **Stormwater Management Plan**

Kansas Permit # M-AR06-SN01  
Federal Permit # KSR440001

August 1, 2025

**1. Public Education and Outreach:** This MCM consists of implementing a public education program. This includes the distribution of educational materials to the community, conducting outreach activities to address the impacts of stormwater discharges on water bodies, and the steps the public can take to reduce pollutants in stormwater runoff. The implementation of BMPs for this MCM must result in accumulation of at least 7 points.

BMP Identifier	BMP Description	Measurable Goal	Implementation Schedule + Responsible Staff	Points
01	Maintain a stormwater webpage	Maintain the webpage with up-to-date information with all links effective and providing valid information throughout the year. All links need to be checked and the website updated on a minimum monthly basis. Document monthly checks in logbook and indicate changes with logged summaries.	Public Services staff & Public Information Officer for the City of Arkansas City.	2
04	Apply placard or stencil on stormwater inlets to provide a message similar to “No Dumping – Drains to River”	Apply this notification on at least 10% of all known stormwater inlets in the MS4. The required number of stencils/placards must be placed within the year for which points are claimed. Subsequent years may claim points when an additional 5% of all known inlets bear the placard/stencil.	Public Services staff of the City of Arkansas City.	2
05	Post the municipality’s MS4 permit and SMP document on the stormwater webpage.	The two documents must be posted for at least 6 months of the year.	Public Information Officer for the City of Arkansas City.	1
06	Provide a telephone number or web-based method for the public to report illicit discharges.	Respond to all reported complaints within 10 days. If found valid, resolve or establish a schedule for resolution within 20 days. Document complaints and response/resolution process for all complaints received in the year. Reporting method must be available to the public for at least 6 months in the year to claim points.	Neighborhood Services & Public Information Officer for the City of Arkansas City.	2
15	Participate in social media programs on pertinent stormwater public education topics.	Publish or share social media content on Ark City’s social media account at least 6 times per year. Record post topic, number of impressions, and engagement for each post. Include a link to Ark City’s stormwater webpage.	Public Information Officer for the City of Arkansas City.	2

			Points required	7
			Points planned for	9

**2. Public Involvement and Participation:** This MCM consists of implementing a public involvement and participation program to solicit public comment and recommendations regarding the BMPs and measurable goals utilized by the City to comply with the permit. The City will comply with State and local public notice requirements when implementing a public involvement and participation program. The implementation of BMPs for this MCM must result in accumulation of at least 6 points.

BMP Identifier	BMP Description	Measurable Goal	Implementation Schedule + Responsible Staff	Points
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.	Clean an area which must be equal to or greater than one acre or alternately at least 200 yards of streambank.  At least one such clean-up activity must occur in the year for which points are claimed.	Public Services staff & Public Information Officer for the City of Arkansas City.	3
05	Provide at least two events for residents to engage in cleanup activities and improve water quality in the municipality.	Provide at least two events in streams, streamside parks, areas adjacent to public waterways, and/or other green infrastructure/water resources. These events can be any of the following: Environmental restoration events, stream clean ups, tree plantings, or stream monitoring.	Public Services staff of the City of Arkansas City.	3
			Points required	6
			Points planned for	6

**3. Illicit Discharge Detection and Elimination:** This MCM consists of developing, implementing, and enforcing a program to detect and eliminate illicit wastewater discharges or other non-stormwater discharges into the storm sewer system. The implementation of BMPs for this MCM must result in accumulation of at least 7 points.

BMP Identifier	BMP Description	Measurable Goal	Implementation Schedule + Responsible Staff	Points
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03	Develop a spill response plan and, if appropriate, coordinate emergency response with other agencies or organizations.	The plan shall include, at a minimum, the following: explanation of appropriate spill response activities for spills associated with vehicle accidents, at grade or above ground storage tanks, and vehicle fluids from mechanical equipment such as construction equipment, cars, or trucks.	Fire Department	2
04	Implement a program to evaluate MS4 outfalls to identify illicit discharges. Inspect at least 5% of known outfalls during a calendar year and evaluate any dry weather discharges. Recognize non-stormwater contributions and trace the source of any illicit discharges.	When at least 5% of outfalls have been inspected and at least one outfall identified as discharging (entirely or partially) flow from an illicit discharge, then the allotted points may be claimed in the year the illicit discharge is eliminated. Document MS4 outfall inspections, outfalls with dry weather discharges, and MS4 outfalls associated with illicit discharges.	Public Services staff of the City of Arkansas City.  1 point when 5% inspected in that year  Additional 2 if illicit discharge is found and eliminated	1
06	Inspect, by televising pipelines or visualization of open channel drainage, 2-10% of the MS4 system within the permit area all conducted within a 12-month period to aid in identifying illicit discharges.	Generate a summary report of the inspection including the number of linear feet visually inspected, conditions comments, illicit discharges identified and the results of the efforts to eliminate illicit discharges.	Public Services & Environmental Services for the City of Arkansas City.	5
07	Implement a Household Hazardous Waste Collection program or document others that have implemented such a program to provide such service to all property owners or residents located within Arkansas City's permit area.	Document the residents and property owners within Arkansas City's MS4 permit area were able to dispose of such wastes at the HHW during a calendar year. An email, letter, or memo from the management personnel of the Household Hazardous Waste facility serving the permit areas is acceptable. The property owners or residents located within Arkansas City's permit area must be able to dispose of HHW throughout the year.	Cowley County Transfer Station.	2
10	Inspect 5% of Arkansas City's stormwater system inlets and/or outfalls within the permit area conducted in a 12-month period to aid in identifying illicit discharges.	Generate a summary report of the inspections including the number of inlets and/or outfalls visually inspected, condition comments, illicit discharges identified, and the results of efforts to eliminate illicit discharges (i.e. discharge line	Public Services & Environmental Services for the City of Arkansas City.	5

		disconnected and redirected to the sanitary sewer or discharge practice terminated). Inspections are to occur within a 12-month term but may cross different calendar years.		
			Points required	7
			Points planned for	15

**4. Construction Site Stormwater Runoff Control:** This MCM includes developing, implementing, and enforcing a program to reduce pollutants in any stormwater runoff to the MS4 for construction sites disturbing one acre or more, including areas that are less than one acre but are part of a larger common plan for development that disturbs one or more acre. The implementation of BMPs for this MCM must result in accumulation of at least 6 points.

BMP Identifier	BMP Description	Measurable Goals	Implementation Schedule + Responsible Staff	Points
01	Require 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 one acre which is part of a larger common plan of development or sale that in total disturbs one acre or more.	Enact ordinance, or other enforceable measure that requires an SESC Plan for all developments disturbing sites which either equal to or greater than 1 acre or for which there is construction activity disturbing less than one acres which is part of a larger common plan of development or sale that in total disturbs one acre or more.	Public Services staff for the City of Arkansas City.	2
02	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 acres which is part of a larger common plan of development or sale that in total disturbs one acre or more.	Require implementation of BMPs in compliance with the design manual on all sites which meet the disturbed area standard as specified in the BMP Summary.	Neighborhood Services & Public Services staff for the City of Arkansas City.	2
03	Provide access to at least one training class for contractors, developers or others involved with land disturbance projects which provides trainings on	This training class must address all local requirements for a SWP2 Plan, requirements for implementation of BMPs	Neighborhood Services staff for the City of Arkansas City.	3

	requirements for SWP2's and implementation of appropriate BMP's.	and address the requirements for the permit.		
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.	Require inspection of 10% of the structural BMPs on an annual basis.	Public Services staff for the City of Arkansas City.	3 in 1 <sup>st</sup> year  2 in years there-after
06	Develop written procedures for inspection of construction sites. Develop a Stormwater Construction Site Inspection Guide for use by municipal inspectors.	Procedures must address the administrative aspects associated with required inspections of construction sites, the issuance of inspection reports, notices of violations, and enforcement actions. The Inspection Guide must provide inspectors guidance on how to conduct a construction site stormwater inspection, the required procedures, and guidance on acceptable conditions of various BMPs employed on such sites, enforcement actions and/or reference of cases for enforcement by other municipal staff, guidance on photo log of the inspection and inspection checklists for use by the inspector.	Public Services staff for the City of Arkansas City.	3 in 1 <sup>st</sup> year  2 in years there-after
07	Develop software tracking system to track inspections and related tasks.	The tracking system must allow for scheduling and follow-up activities such as re-inspections, mailing notices or reports, etc.	Neighborhood Services staff for the City of Arkansas City.	1
			Points required	6
			Points planned for	10

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

This MCM includes the implementation and enforcement of 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 or sale, that discharge into the MS4. The implementation of BMPs for this MCM must result in accumulation of at least 7 points.

BMP Identifier	BMP Description	Measurable Goal	Implementation Schedule + Responsible Staff	Points
01	Develop and adopt a custom design manual for Post-Construction Stormwater Management which specifies various structural BMPs which are required for new development and redevelopment construction sites which are greater than 1 acre of for which is part of a larger common plan of development or sale that in total disturbs one acre or more.	Measure must be included to enforce the installation of the various structural BMPs required.	Neighborhood Services staff for the City of Arkansas City.	3
03	Develop and implement a program to ensure adequate long-term cleaning, operation and maintenance of all municipally owned or operated post-construction structural stormwater BMP facilities. The program shall address several different types of these BMP systems. The systems which are addressed shall include any type of post-construction structural BMP system, contained in the MS4. These shall include (if so present): -Detention ponds -Retention ponds -Grass swales -Pervious paving systems -Wetlands -Vegetative filter strips -Manufactured stormwater treatment devices (swirl separators, screens, etc) -Drop inlet-catch basin	The program shall be detailed in a written document and made available to all pertinent maintenance staff.	Public Services staff for the City of Arkansas City.	2
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.	The program shall require inspection of at least 10% of the structural BMPs on an annual basis.	Public Services staff for the City of Arkansas City.	2
08	Implement a program to encourage residential BMPs.	Handing out native flower packets with an educational flyer attached to it. Packets available at multiple locations in Arkansas City and at all city meetings.	Public Services staff for the City of Arkansas City.	3 in the 1 <sup>st</sup> year  2 in years thereafter

			Points Required	7
			Points Expected	10

**6. Pollution Prevention/Good Housekeeping for Municipal Operations:** In this MCM, the City will 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. The implementation of BMPs for this MCM must result in accumulation of at least 6 points.

BMP Identifier	BMP Description	Measurable Goal	Implementation Schedule + Responsible Staff	Points
03	Develop a guidance document for pesticide application by municipal staff or contractors. The guidance will stipulate that any municipal staff, who apply restricted pesticides, will need to have a commercial applicator certification from the Kansas Department of Agriculture, if required by that department.	Staff that apply pesticides will need to comply with the guidance document. The guidance document must require use of pesticides in compliance with the label instructions.  The guidance document must be finalized and implemented in the year which points are initially claimed.	Implement in 2025 and continue.  Public Services staff of the City of Arkansas City.	2 in the 1 <sup>st</sup> year.  1 in the years thereafter
05	Implement a program for street sweeping in which the street sweepings are collected and disposed of properly or recycled/reused if possible.	All paved streets which can be swept shall be listed in the schedule for street sweeping. A log shall be maintained listing the street segments which are swept and dates of sweeping and where the street sweepings are disposed or where the material was sent to be recycled and/or reused. At least 10% of the streets which are listed in the street sweeping schedule must be swept at least once in a year to claim points for the year. If equipment is purchased, more points may be claimed.	Public Services staff of the City of Arkansas City.	2
07	Implement a program to inspect stormwater inlets to identify illicit discharges and clean drop inlets of accumulated debris.	Inspect at least 5% of all inlets annually. For any inlets which have evidence of dumped paint, oil or other substances which are considered illicit discharges follow up with efforts to educate individuals near the impacted inlet about illicit discharges. For inlets which have any	Public Services staff of the City of Arkansas City.	2



		accumulation of debris, remove the debris for proper disposal.		
08	Develop, implement and keep updated an online storm sewer map accessible to the public.	Map shall cover the entire MS4 within Arkansas City's permit area and include all the MS4 lines both pipe and open drainage. Also, shall illustrate all impaired waterways (303(d) listed) with an indication of the listed impairment.	Neighborhood Services staff of the City of Arkansas City.	2
			Required points	6
			Expected points	8

### Total Maximum Daily Load Regulated Pollutants

**Background:** Total Maximum Daily Loads (TMDLs) are established for waters found on the Clean Water Act Section 303(d) list of impaired waters. The purpose of the TMDL is to define the allowable pollutant load that may enter those impaired waters so that those waters attain a condition that fully supports all its designated uses. The TMDL then allocates portions of that allowable load among the likely point and non-point sources discharging the pollutant into the water or its watershed.

The City is required to implement BMPs to reduce to the maximum extent possible the discharge of TMDL regulated pollutants from the MS4 to impaired waters. Total Maximum Daily Load (TMDL) regulated pollutants identified in the current permit are listed below:

TMDL Regulated Pollutant	Specific Impaired Stream or Lake to Target
Nutrients	Arkansas River, Walnut River
Sediment	Arkansas River, Walnut River

**Selection of BMPs:** All of the tasks associated with the Six MCMs are designed to reduce pollutants in stormwater runoff. The implementations of these BMPs must result in accumulation of at least 6 points. Selected BMPs include the following:

BMP Identifier	BMP Description	Measurable Goal	Implementation Schedule + Responsible Staff	Points
01	Install pet waste stations which include a glove/bag dispenser with signage and waste can encourage pet waste disposal at either park, trails, rest areas, or other public lands owned by Arkansas City.	At least one pet waste station shall be installed at the selected park, trail, rest area or other public land. The stations shall include signage and a waste can.	Public Services staff of the City of Arkansas City.	1

02	Establish a program to encourage installation of residential rain gardens.	Provide public education on rain gardens and design guidance for the installation of residential rain gardens. Rain gardens must have a minimum area of 20 square feet.	Public Services staff of the City of Arkansas City.	2-3
03	Install and operate a constructed wetland.	The wetland shall include a water surface area of at least one acre or equivalent submerged surface area for submerged wetlands.	Public Services staff of the City of Arkansas City.	2
04	Enact a stream buffer ordinance, resolution, or other enforceable requirement to impose stream buffer standards.	The enactment of stream buffer standards must include enforcement capability.	Public Services staff of the City of Arkansas City.	2
05	Develop a pet waste brochure or flyer document to educate the public about animal waste contamination of stormwater. The document encourages pet owners to pick up their pet's waste.  Alternately, post the document to social media or the municipal website.	Documents posted to social media or the website shall have the page copied and printed to retain on file. Documents posted on website(s) shall be posted for at least 6 months. Documents posted on social media shall be posted 6 times within the year points are claimed.	Public Information Officer for the City of Arkansas City.	1
06	Distribute "Only rain down the drain" door hangers or similar document.	Provide in portions of the permit area with suspected illicit discharges.	Public Information Officer for the City of Arkansas City.	2
07	Inspect 10% of all MS4 outfalls for dry weather discharges either annually or twice per year to identify potential illicit discharges.	If dry weather discharge is found, follow-up with investigation to determine if a portion or all the discharge is illicit. Document the findings and initiate efforts to eliminate any identified illicit discharges.	Public Services staff of the City of Arkansas City.	3-5
09	Implement a program to collect & properly dispose of litter, on 4 separate occasions per calendar year, within areas where littering has been identified as a problem.	The 4 litter collections should, but are not required to, occur seasonally.	Public Services staff of the City of Arkansas City.	2
12	Construct a streambank stabilization project.	Install a minimum of 100 feet of bank stabilization at a site(s) with a history of erosion.	Public Services staff of the City of Arkansas City.	2
			Points Required:	6

			Points Expected:	17
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### Monitoring Requirements:

The permit requires that the City implements a wet weather monitoring program designed to assess the improvements in the water bodies (streams/rivers) due to the implementation of citywide BMPs. The minimum requirements for monitoring are as follows:

1. In-stream sampling of the main streams where they enter and exit City limits
2. Streams to be monitored include the Arkansas River and Walnut River
3. Sampling shall be for the TMDL regulated pollutants Nutrients and Sediment

### Monitoring Frequency:

At a minimum, four (4) storm events shall be monitored annually for each stream. Each storm event shall be a 24-hr rain or snow melt event greater than or equal to 0.25 inches of precipitation. Samples are to be collected within 4 hours of rising stages on streams. It is recommended the monitoring events occur both in the spring (March 1 thru June 30) and in the summer (July 1 thru October 31). However, it is most important four events be monitored in each calendar year and storm event monitoring can occur in any month.

### Other Permit Requirements:

Other permit requirements, such as sampling methodology and reference data collection, are listed in the MS4 permit and will be included in the monitoring procedures.

### Modifications to BMPs and the Stormwater Management Plan

This SMP will be evaluated annually and modifications to the Plan, if any, will be submitted with the annual report. Minor modifications to BMPs listed in this plan, if needed to meet program objectives, will be made within 60 days as determined by the permittee or written notification by KDHE.