KANSAS STORMWATER 2014 ANNUAL REPORT FORM FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)

Permittee Information and Reporting Period

Check box if this is a new name, address, phone, etc.

Permittee (Agency Name):	City of Wichita, Kansas	☐
Mailing Address:	Department of Public Works & Utilities/Stormwater Mgmt	☐
City:	455 N Main – 8th Floor	☐
State:	Wichita, Kansas	☐
Zip Code:	67202	☒
Contact person:	Jim Hardesty	☒
Contact E-Mail address:	JHardesty@wichita.gov	☒
Contact Phone Number:	(316) 298-8317 Cell# (316) 312-5464	☒
Kansas Permit Number:	M-AR94-S001 (Example) M-MC21-SU01	

Reporting period covers activities from January 1, 2014 through December 31, 2014.

This annual report must be submitted to the Kansas Department of Health and Environment (KDHE) by February 28, 2015. This annual report must be submitted as a word or PDF file to KDHE on a standard compact disk (CD). A paper copy of the report may, in addition to the CD, be submitted if the permittee so desires but is not required.

The permit establishes several reporting requirements, please review "PART V REPORTING" within the permit and ensure the various items which must be reported with the annual report are included with the report.

B. Executive Summary

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

1. Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?
2. Were there any aspects of the program that provided unsatisfactory results?
3. What was the most successful part of the program?
4. What was the most challenging aspect of the program?

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.

C. Stormwater Management Program

		Yes	No	Not Applicable
		Place a check mark in the appropriate box.		
1.	Has the Stormwater Management Program (SMP) been developed?	☒	☐	
2.	Has the SMP been modified during this reporting period?	☒	☐	
3.	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 "No" a copy of the modified 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

D. Total Maximum Daily Load (TMDL) Best Management Practices

		Yes	No	Not Applicable
		Place a check mark in the appropriate box.		
1.	Were any best management practices (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.	☒	☐	☐
2.	List all of the BMPs intended to attenuate the discharge of TMDL regulated pollutants as identified in the SMP and provide the requested information on the following table on the following pages			

D. Total Maximum Daily Load (TMDL) Best Management Practices (Table)

BMP ID NUMBER	Brief BMP Description	Regulated TMDL Parameter	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
1A	Video messages and graphics will be placed on the City's Cable Channel 7, or other video outlets, for viewing by the community. This activity will take the form of periodic repeating video presentations or graphics informing citizens of the importance of preventing stormwater pollution and individual actions citizens can take to reduce their impact on stormwater.	Nutrients, Sediment, Bacteria	A repeating video or graphic designed to inform the public on stormwater pollution prevention will be run at least twice per year on the City's Cable Channel 7, and continue for the Permit duration.	In 2014, the following stormwater information was disseminated via Cable Channel 7 and/or press releases. • Announcement of the 14th Annual River Trash Round Up. • In 2014, 1804 storm-inlet medallions 'No Dumping-Drains To Arkansas River' were installed, bringing the total to 5057. Of those, 300 are in Spanish. • The EPA video 'Reduce Runoff', "After The Storm", and the locally produced 'Dog Doogity' video were aired over 100 times.
1B	An informational brochure on stormwater quality designed for residents will be developed by the City.	Nutrients, Sediment, Bacteria	Brochures have been developed and will be distributed by a variety of means, including brochure racks in City buildings, educational events, mailings, etc.	Stormwater contracted a firm to accomplish a public education program that includes 7 new brochures, which target specific audiences and pollutants. That project was completed in 2014. Brochures, approximately 500 of which have been distributed, are found in Appendix C.

3G	Regulate septic system installation and usage, via our existing Ordinance, and respond to complaints regarding improper discharges related to septic systems. The City will seek City Council approval to 'order in' municipal services as a result of failed septic systems.	Nutrients, Sediment, Bacteria	Regulation of septic systems in accordance with Code of Ordinances Title 16 during the entire Permit term. Records will be maintained to document the number of complaints received and disposition of problems found will be reported in the Annual Report. The number of 'order in' requests is demand driven.	In 2014: • 72 on-site wastewater systems were evaluated for title transfers. • 44 newly installed or replaced on-site systems were inspected and approved. • 51 on-site system permit applications were reviewed and approved. • No properties were connected to sanitary sewer.
7A	Develop and maintain a list of industrial facilities that may be contributing a substantial pollutant loading to the MS4. The list shall include municipal industrial facilities and municipal landfills; hazardous waste treatment, disposal, or recovery facilities; and facilities that are subject to section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).	Nutrients, Sediment, Bacteria	List will be updated annually and included in the Annual Report.	List is updated and can be found in Appendix C.

7B	Annually, at least two facilities listed above shall be identified as high priority facilities and an inspection shall be conducted and sampling of stormwater run-off.	Nutrients, Sediment, Bacteria	Inspections and wet weather sampling will be completed at two facilities.	Inspection results of two facilities are found in Appendix C, wet weather sampling data are found in Appendix B. Summaries are found in Appendix D.

7C	The permittee shall provide an updated SMP document which discusses the structural and non-structural BMP's that have been or will be implemented to reduce discharge of TMDL pollutants from the MS4 significantly contributing to or causing an exceedance of the water quality standard.	Nutrients, Sediment, Bacteria	The governing ordinance, Chapter 16.32 contains the requirements listed in the Permit as reflected in the City of Wichita/Sedgwick County Stormwater Manual, which is available in hard copy and on the City website. Occasional revisions are made to the Manual, and the Manual is updated. Revisions and updates will be included in the Annual Report. The number of BMPs implemented in a reporting year, and the number of completed bi-annual BMP inspections will be reported in the Annual Report. The most current SMP will be included in the Annual Report.	The Wichita/Sedgwick County Stormwater Manual is available for download in a digital format for free at: http://www.wichita.gov/Government/Departments/PWU/Pages/Regulations.aspx The Wichita/Sedgwick County Stormwater Manual has been fully implemented, and is reviewed and updated via monthly meetings with the Stormwater Advisory Board. Updates are posted on the City website. The Stormwater Manual includes the following: • Inspection report every 2 years • Inspection Certification submitted to City/County • 19 Structural BMP's to select from • 5 Non-Structural BMP's • Requirements to permit Proprietary Systems In 2014, City staff reviewed, and issued Stormwater Permits for 66 sites, totaling 628 acres of Development or Redevelopment, that contained 95 new or existing BMPs. The City received certified Bi-annual Inspection reports for 6 BMPs. Moving

				forward, this will a point of enforcement emphasis.
7D	Measurable goals for reducing pollutants contributed by MS4s shall be expressed in quantifiable values to reduce the concentration of pollutants, reduce the total mass of pollutants, a combination of the above methods and expressed as average and median values (percent reduction of inflow volume, reduction in pollutant concentration or mass loading) or for bacteria as a geometric mean.	Nutrients, Sediment, Bacteria	WINSLAMM or other appropriate modeling software will be used to calculate the required values.	WINSLAMM or other appropriate software will be acquired and utilized in the 2015 Annual Report.
7E	Maps illustrating: Permit area, boundaries of drainage basins and primary sub-basins, locations of structural BMPs, stormwater BMP influent/effluent, lake and stream monitoring locations, storm sewer collection system which includes the outfalls within the Permit area where the MS4 drains to TMDL listed impaired streams or lakes.	Nutrients, Sediment, Bacteria	Updated GIS-based maps can be accessed at the City's FTP site upon request, and maps in PDF format will be included in the Annual Report.	Updated maps in PDF format are found in Appendix C.

7F	Storm event monitoring shall be implemented in accordance with Part III of the Permit.	Nutrients, Sediment, Bacteria	Instream monitoring of the 6 main streams entering and leaving the jurisdictional Permit area will occur as detailed in Part III of the Permit.	Sampling requirements were met in 2014. Results are found in Appendix A and Appendix 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.

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
1A	Video messages and graphics will be placed on the City's Cable Channel 7, or other video outlets, for viewing by the community. This activity will take the form of periodic repeating video presentations or graphics informing citizens of the importance of preventing stormwater pollution and individual actions citizens can take to reduce their impact on stormwater.	A repeating video or graphic designed to inform the public on stormwater pollution prevention will be run at least twice per year on the City's Cable Channel 7, and continue for the Permit duration.	In 2014, the following stormwater information was disseminated via Cable Channel 7 and/or press releases. • Announcement of the 14th Annual River Trash Round Up. • In 2014, 1804 storm-inlet medallions 'No Dumping-Drains To Arkansas River' were installed, bringing the total to 5057. Of those, 300 are in Spanish. The EPA video 'Reduce Runoff', "After The Storm", and the locally produced 'Dog Doogity' video were aired over 100 times.
1B	An informational brochure on stormwater quality designed for residents will be developed by the City.	Brochures have been developed and will be distributed by a variety of means, including brochure racks in City buildings, educational events, mailings, etc.	Stormwater contracted a firm to accomplish a public education program that includes 7 new brochures, which target specific audiences and pollutants. That project was completed in 2014. Brochures, approximately 500 of which have been distributed, are found in Appendix C.

1C	The City will continue to place stormwater education materials on the City of Wichita website ("www.wichita.gov").	Website is operational, currently includes educational material, and additional material will be added as it is developed.	Stormwater pollution prevention information is available at: http://www.wichita.gov/Government/Departments/PWU/Pages/Documents.aspx
1D	Stormwater pollution prevention, water conservation and water quality education programs will continue to be developed and provided to schools and other interested organizations.	The City will continue contact with interested school officials and organization leaders. Programs and assistance will continue to be provided through ongoing programs at the W.A.T.E.R center and other locations, and will reach a minimum of 500 persons annually.	In 2014, W.A.T.E.R Center staff presented 44 talks and tours focusing on water quality issues that were attended by 661 children and adults. Staff also gave out 2,129 pieces of water quality educational materials
1E	Annually, each BMP and corresponding measurable goal provided in this SMP will be evaluated and progress or actions will be reported in the Annual Report as required by the KDHE NPDES permit.	As required by the KDHE NPDES permit, an Annual Report will be submitted to KDHE by February 28, of each year for the previous calendar year. The Annual Report will be posted on the City's stormwater website.	This Annual Report will be submitted on or before February 28, 2014.

1. Public Involvement and Participation (Table)

List all of the public involvement and participation BMPs as identified in the SMP and provide the requested information in the following table.

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
2A	Public comments, recommendations and requested changes for this management plan will be solicited through the City's webpage. Citizens will be able to submit comments, questions, and recommendations directly to the office of Stormwater Management. Additionally, the webpage will have telephone and mail contact information.	Citizen input will be addressed when submitted, and results will be included in the Annual Report.	The final Stormwater Management Plan is posted on the City's website. In 2014, no public comments or suggestions were submitted to Stormwater Management.
2B	The City will conduct at least one volunteer cleanup day with citizen and group volunteers.	An Arkansas River (and/or tributaries) cleanup will be held at least once each year. Results will be documented in the Annual Report.	Co-hosted by City staff and community partners, the annual River Trash Roundup collected 2.59 tons of trash that was collected by 663 volunteers in the area by the Sims Park walking bridge and the Broadway 'John Mack' bridge on the Arkansas River.

2C	The City will sponsor monthly meetings of a Stormwater Management Advisory Board (SWAB). This advisory board will contain appointed representatives from the community, and is open to the public for comments as well.	SWAB information, including agendas and attendance information will be included in the Annual Report and on the City of Wichita website.	The role of the advisory board was completed with the adoption of the Wichita/Sedgwick County Stormwater Manual in November 2010. The Stormwater Advisory Board (SWAB) met regularly throughout 2014. Meeting agendas, attendance information, and any public comments are included in Appendix C.

2. Illicit Discharge Detection and Elimination

Place a check mark in the appropriate box.

		Yes	No	Not Applicable
1.	Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4?	☒	☐	
2.	The permit requires the permittee enact ordinances resolutions or regulations. Have any ordinances, resolutions or regulations to prohibit non-stormwater discharges into the MS4 been enacted?	☒	☐	☐
	Effective Date: January 1999			
	Has the ordinance, resolution or regulation been modified?			
	Effective Date: November 2010			
3.	Have the ordinances, resolutions or regulations and/or modifications been submitted to KDHE for review?	☒	☐	
4.	Have public employees, business, and the general public been informed of the hazards associated with illegal discharges and improper disposal of waste?	☒	☐	
5.	Have public employees, business, and the general public been informed of the hazards associated with illegal discharges and improper disposal of waste?	☒	☐	
6.	Have stormwater inlets & detention ponds been inspected?	☒	☐	
7.	Are restaurant waste grease areas inspected?	☒	☐	
8.	Are septic systems inspected?	☒	☐	
9.	Are the streets swept frequently?	☒	☐	
10.	Is there a yard waste management program?	☒	☐	
11.	Are snow removal activities inspected?	☒	☐	
12.	List all of the illicit discharge detection and elimination BMPs as identified in the SMP and provide the requested information in the table on the following pages.			

3. Illicit Discharge Detection and Elimination (Table)

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
3A	Develop, implement, and enforce a program to detect and eliminate illicit discharges into the MS4.	Each permit year the City will televise 45,000 linear feet of stormwater conduit in an effort to find illicit connections or discharges. Any illicit discharges found will be investigated with actions documented, and included in the Annual Report.	In 2014, City staff televised 128,478 linear feet of storm conduit, and 543,505 linear feet of conduit were cleaned. No illicit connections were reported.
3B	Develop a stormwater 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 computer disk.	A complete GIS stormwater system map has been completed, and will be maintained, and updated throughout the year. A GIS map layer of the stormwater system will be made available for public use in 2015, and will be available on the City of Wichita website.	By the end of 2014, 68,059 stormwater structures and 1,282 miles of conduit have been put on a GIS layer. The City is continuing to collect new projects and is reviewing quality control, and collecting the open channel drainage systems.
3C	Enact ordinances or resolutions to prohibit non-stormwater discharges into the stormwater system and implement appropriate enforcement procedures and actions. A copy of the ordinances or resolutions shall be submitted to KDHE.	An ordinance prohibiting non-stormwater discharges is currently in place, Chapter 16.32, and will be maintained and updated as necessary throughout the effective dates of this permit. A copy of the ordinance will be provided in the Annual Report.	Title 16, Chapter 16.32 in the City Code of Ordinances was adopted by City Council in 1998, and most recently updated in November of 2010. A copy of the ordinance is submitted in Appendix C.

3D	Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.	A free, regional Household Hazardous Waste disposal site will be maintained for all residents to use. The number of citizens and quantity of materials disposed of, will be included in the Annual Report. Additionally, an informational HHW video will be aired at least 6 times on the City's Cable Channel 7.	The City and County operate a free household hazardous waste disposal site. In 2014 the site had 21,763 visitors, collected 1,165,815 pounds of hazardous waste. The site is promoted on brochures, Cable City 7, and the web site is: http://www.sedgwickcounty.org/environment/householdhazardouswaste.asp
3E	Develop and implement a plan to detect and address prohibited non-stormwater discharges, including illegal dumping, as required by the current KDHE NPDES permit.	Permittee will perform at least 30,000 storm structure inspections and cleanings each year. Additionally, a minimum of 300,000 linear feet of sanitary sewer pipe will be televised in each year of the permit's duration. Results will be included in the Annual Report.	In 2014, City staff cleaned 78,282 storm structures, and inspected 1350 storm structures. In 2014 City staff televised 477,521 linear feet of sanitary sewer line, and 91,310 linear feet were rehabilitated or replaced, and, 120 lines repaired resulting in 26,400 linear feet of repairs were completed.
3F	Inspect restaurants to verify that grease is not being discharged to the municipal storm drains. These inspections are incorporated into the regular restaurant inspection system and are accomplished by City inspectors.	Inspections of restaurant grease handling are an existing program within the Water & Sewer Department. There will be a minimum of 160 inspections performed each year of the Permit. Results will be reported in our Annual Report. If changes are necessary with this program, KDHE will be informed.	In 2014, restaurant grease interceptor inspectors performed 454 inspections, issued 284 NOV's, granted 138 variances, and documented an 85% on-time pump rate.

3G	Regulate septic system installation and usage, via our existing Ordinance, and respond to complaints regarding improper discharges related to septic systems. The City will seek City Council approval to 'order in' municipal services as a result of failed septic systems.	Regulation of septic systems in accordance with Code of Ordinances Title 16 during the entire Permit term. Records will be maintained to document the number of complaints received and disposition of problems found will be reported in the Annual Report. The number of 'order in' requests is demand driven.	In 2014: • 72 on-site wastewater systems were evaluated for title transfers. • 44 newly installed or replaced on-site systems were inspected and approved. • 51 on-site system permit applications were reviewed and approved. • No properties were connected to sanitary sewer.

3. Illicit Discharge Detection and Elimination

Place a check mark in the appropriate box.

		Yes	No	Not Applicable
1.	The permit requires the permittee to enact ordinances, resolutions or regulations. Has an ordinance, resolutions or regulation to address construction site runoff from new development and redevelopment projects been enacted? Effective Date: January 1999	☒	☐	☐
2.	Has a copy of the ordinance, resolution or regulation been submitted to KDHE for review?	☒	☐	
3.	Has a procedure or program been developed requiring construction site owners and/or operators to implement appropriate erosion and sediment control best management practices?	☒	☐	
4.	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?	☒	☐	
5.	Has a procedure been developed and implemented requiring site plan approval of erosion control and debris container locations incorporating consideration of potential water quality impacts?	☒	☐	
6.	After approval, is a construction site permit issued?	☒	☐	
7.	Has a procedure been developed for the receipt and consideration of information submitted by the public?	☒	☐	
8.	Has a procedure been developed and implemented for construction site inspection and enforcement of the control measures?	☒	☐	
9.	Are construction site inspection and enforcement actions successful?	☒	☐	
10.	Are site owners and/or operators provided instruction On proper construction site erosion and waste control?	☒	☐	
11.	List all the construction site stormwater runoff control BMPs as identified in the SMP and provide the requested information in the table on the following pages			

4. Construction Site Stormwater Runoff Control (Table)

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
4A	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.	Ordinance is currently in place, Chapter 16.32, and will be maintained and updated as necessary throughout the effective dates of this permit.	Title 16, Chapter 16.32 in the City Code of Ordinances was adopted by City Council in 1998, and revised in November 2010.
4B	Requirements for construction site owners or operators to implement appropriate erosion and sediment control best management practices.	The governing ordinance, Chapter 16.32, contains the requirements specified, and will be submitted with the Annual Report.	Title 16, Chapter 16.32 in the City Code of Ordinances was adopted by City Council in 1998, and revised in November 2010.
4C	Requirements for construction site owners and 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.	The governing ordinance, Chapter 16.32, contains the requirements specified, and will be submitted with the Annual Report.	Title 16, Chapter 16.32 in the City Code of Ordinances was adopted by City Council in 1998, and revised in November 2010.
4D	Procedures for site plan review which incorporate consideration of potential water quality impacts.	The procedure for plan approval includes review by City staff, and certification by the design engineer as to adherence to Chapter 16.32. The number of plans approved each year will be submitted in the Annual Report.	In 2014, City staff reviewed, and issued Stormwater Permits for 66 sites, totaling 628 acres of Development or Redevelopment, that contained 95 new or existing BMPs.

4E	Procedure for receipt and consideration of information submitted by the public.	The City will sponsor monthly meetings of a Stormwater Advisory Board (SWAB). This advisory board will contain appointed representatives from the community, and is open to the public for comments as well. SWAB information, including public comments, meeting agendas and attendance information will be posted to the City of Wichita website, and will be included in the Annual Report.	In 2014, SWAB met 9 times. Attendance, agenda information, and any public comments received are attached in Appendix C.
4F	Procedure for construction site inspection and enforcement of control measures.	An inspection procedures document will be included in the Annual Report. Additionally, the City will perform at least 600 inspections each year of the permit, and violations/citations will be written as necessary. Results will be included in the Annual Report.	In 2014, City stormwater staff performed 1034 inspections of private projects, and issued 523 Notices Of Violation, resulting in a 50.6% NOV rate. City engineering personnel oversaw BMP implementation on 115 publicly bid City construction sites, these sites continue to be monitored daily throughout the duration of construction. The City's Manual of Inspection Procedures is included in Appendix C. City field personnel in other departments have also been trained to notify Stormwater Staff if they see any potential stormwater violations.

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

Place a check mark in the appropriate box.

		Yes	No
1.	The permit requires the permittee to enact a program to address post-construction site stormwater runoff from new development and redevelopment. The program developed to manage stormwater in new development and redevelopment projects must include the following elements: a. Strategies which include a combination of structural and/or Non-structural BMPs, b. Measures to ensure adequate long-term operation and maintenance of BMPs, c. Site Owner or operator name and telephone number Responsible to ensure adequate long-term operation Maintenance of BMPs, d. BMPs to prevent or minimize adverse water impacts.		
2.	Has a post-construction stormwater runoff program been Implemented?	☒	☐
3.	Have post-construction sites been inspected?	☒	☐
4.	Have there been post-construction violations?	☒	☐
5.	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 table on the following pages.		

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

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
5 a b c d	**a:** Strategies which include a combination of structural and/or non-structural BMPs, **b:** Measures to ensure adequate long-term operation and maintenance of BMPs, **c:** Site owner or operator name and telephone responsible to ensure adequate long-term operation maintenance of BMP's, **d:** BMPs to prevent or minimize adverse water impacts.	The governing ordinance, Chapter 16.32 contains these requirements as reflected in the City of Wichita/Sedgwick County Stormwater Manual, which is available in hard copy and on the City website. Occasional revisions are made to the Manual, and the Manual is updated. Revisions and updates will be included in the Annual Report. The number of BMPs implemented in a reporting year, and the number of completed bi-annual BMP inspections will be reported in the Annual Report.	The Wichita/Sedgwick County Stormwater Manual is available for download in a digital format for free at: http://www.wichita.gov/Government/Departments/PWU/Pages/Regulations.aspx The Wichita/Sedgwick County Stormwater Manual has been fully implemented, and is reviewed and updated via monthly meetings with the Stormwater Advisory Board. Updates are posted on the City website. The Stormwater Manual includes the following: • Inspection report every 2 years • Inspection Certification submitted to City/County • 19 Structural BMP's to select from • 5 Non-Structural BMP's • Requirements to permit Proprietary Systems In 2014, City staff reviewed, and issued Stormwater Permits for 66 sites, totaling 628 acres of Development or Redevelopment, that contained 95 new or existing BMPs. The City received certified Bi-annual Inspection reports for 6 BMPs. Moving forward, this will a point of enforcement emphasis.

6. Municipal Pollution Prevention/Housekeeping.

Place a check mar in the appropriate box.

		Yes	No
1.	The permit requires the permittee to enact a program to address Pollution Prevention/Good Housekeeping for Municipal Operations.		
2.	Has an operation & maintenance program to reduce Pollutant runoff and an audits /inspection program been adopted?	☒	☐
3.	Has a municipal employee training program been established?	☒	☐
4.	Are oil, hazardous wastes, chemicals and municipal debris properly deposed?	☒	☐
5.	Are snow and ice removal material and chemicals properly managed to prevent runoff?	☒	☐
6.	Are municipal streets swept on a regular basis?	☒	☐
7.	Are municipal stormwater inlets and drains inspected and cleaned?	☒	☐
8.	Do municipal snow piles have controlled drainage to prevent runoff pollution?	☒	☐

List all the Municipal Pollution Prevention/Housekeeping BMPs as identified in the SMP and provide the requested information in the table on the following pages.

7. *PHASE I OPERATORS ONLY* - Monitoring Industrial and High Risk Run-off

Place a check mark in the appropriate box.

		Yes	No
1.	Has the permitee developed and maintained a list of the municipal industrial facilities contributing to the pollutant loading to the municipal storm sewer system?	☒	☐
2.	Has at least two municipal industrial facilities on the list had an inspection and sampling conducted?	☒	☐

If the answer to items 1 and 2 is "No" provide a statement on the Phase I operator form Appendix B as to why monitoring and control has not occurred.

Complete Monitoring form in Appendix B.

6. Municipal Pollution Prevention/Housekeeping Table

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
6A	The City will continue a training program for employees on pollution prevention at all Municipal Industrial Facilities, and inspect those facilities annually.	In accordance with the Stormwater Pollution Prevention Plan for each City Municipal Industrial Facility, employee training and facility inspections will be documented and reported in the Annual Report.	In 2014, City staff updated SWP3's, and performed Inspections, at all Municipal Industrial Facilities, which are: *Central Maintenance Facility *West Substation *Northeast Substation *Brooks Landfill *Sewage Treatment Plant 1 *Sewage Treatment Plant 2 *Wichita Transit Center *K-96 & Hillside Reclamation Facility Documentation is found in Appendix C.
6B	City will continue the existing street sweeping program to reduce pollutant loadings to the storm sewer.	One round of residential street sweeping, four rounds of arterial street sweeping, and two rounds per week of downtown street sweeping will be completed annually by the City. This effort is currently underway, and will continue throughout the permit term.	In 2014, City staff swept 19,785 lane miles, completed 1 round of residential street sweeping, 2.5 rounds of arterial street sweeping, and 104 rounds of downtown street sweeping. This sweeping removed 13,760 tons of dirt and debris from City streets.
6C	Drainage control of Municipal snow piles.	In the event that large Municipal snow piles become necessary, the City will evaluate BMPs to control and mitigate effects of runoff pollution to the maximum extent practicable.	In 2014, the City did not produce any large Municipal snow piles. The City continues to deploy a brine mixture in advance of freezing precipitation.

6D	The City has a program to ensure proper application of pesticides and herbicides are applied at municipal parks and properties.	The City will continue the existing program that requires all City employed applicators of pesticides and/or herbicides to be licensed or directly supervised by licensed personnel. Records shall be maintained as required by local, state and federal laws for application events and licensed personnel shall be trained periodically to ensure proper management and application of the pesticides and/or herbicides.	City staff includes 15 KS. Dept. of Agriculture certified applicators of pesticides and/or herbicides. Records are maintained by the Parks and Recreation Department as required by local, state and federal laws for pesticide/herbicide application events. Records can be found in Appendix C.

7. Additional Control Measures, TMDL and Industrial Run-Off:

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
7A	Develop and maintain a list of industrial facilities that may be contributing a substantial pollutant loading to the MS4. The list shall include municipal industrial facilities and municipal landfills; hazardous waste treatment, disposal, or recovery facilities; and facilities that are subject to section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).	List will be updated annually and included in the Annual Report.	List is updated and can be found in Appendix C.
7B	Annually, at least two facilities listed above shall be identified as high priority facilities and an inspection shall be conducted and sampling of stormwater run-off.	Inspections and wet weather sampling will be completed at two facilities.	Inspection results for two facilities are found in Appendix C, wet weather sampling data are found in Appendix B. Summaries are found in Appendix D.

7C	The permittee shall provide an updated SMP document which discusses the structural and non-structural BMP's that have been or will be implemented to reduce discharge of TMDL pollutants from the MS4 significantly contributing to or causing an exceedance of the water quality standard.	The governing ordinance, Chapter 16.32 contains the requirements listed in the Permit as reflected in the City of Wichita/Sedgwick County Stormwater Manual, which is available in hard copy and on the City website. Occasional revisions are made to the Manual, and the Manual is updated. Revisions and updates will be included in the Annual Report. The number of BMPs implemented in a reporting year, and the number of completed bi-annual BMP inspections will be reported in the Annual Report. The most current SMP will be included in the Annual Report.	The Wichita/Sedgwick County Stormwater Manual is available for download in a digital format for free at: http://www.wichita.gov/Government/Departments/PWU/Pages/Regulations.aspx The Wichita/Sedgwick County Stormwater Manual has been fully implemented, and is reviewed and updated via monthly meetings with the Stormwater Advisory Board. Updates are posted on the City website. The Stormwater Manual includes the following: • Inspection report every 2 years • Inspection Certification submitted to City/County • 19 Structural BMP's to select from • 5 Non-Structural BMP's • Requirements to permit Proprietary Systems In 2014, City staff reviewed, and issued Stormwater Permits for 66 sites, totaling 628 acres of Development or Redevelopment, that contained 95 new or existing BMPs. The City received certified Bi-annual Inspection reports for 6 BMPs. Moving forward, this will a point of enforcement emphasis.

7D	Measurable goals for reducing pollutants contributed by MS4s shall be expressed in quantifiable values to reduce the concentration of pollutants, reduce the total mass of pollutants, a combination of the above methods and expressed as average and median values (percent reduction of inflow volume, reduction in pollutant concentration or mass loading) or for bacteria as a geometric mean.	WINSLAMM or other appropriate modeling software will be used to calculate the required values.	WINSLAMM or other appropriate software will be acquired and utilized in the 2015 Annual Report.
7E	Maps illustrating: Permit area, boundaries of drainage basins and primary sub-basins, locations of structural BMPs, stormwater BMP influent/effluent, lake and stream monitoring locations, storm sewer collection system which includes the outfalls within the Permit area where the MS4 drains to TMDL listed impaired streams or lakes.	Updated GIS-based maps can be accessed at the City's FTP site upon request, and maps in PDF format will be included in the Annual Report.	Updated maps in PDF format are found in Appendix C.

F. Recordkeeping and Reporting

Attach a report which addresses the following subjects:

1. A general assessment of the appropriateness of the various BMPs included for each of the major program elements as follows:
   a. TMDL regulated pollutants (Appendix A contains TMDL Report Forms)
   b. Public Education and Outreach
   c. Public Involvement and Participation
   d. Illicit Discharge Detection and Elimination
   e. Construction Site Stormwater Runoff Control
   f. Post-Construction Site Stormwater Management in New Development and Redevelopment
   g. Pollution Prevention/Good Housekeeping for Municipal Operations

   Issues which may be addressed include:
   a. Are the BMPs appropriate for local population? *Bilingual information will be available when appropriate.*
   b. Are the BMPs appropriate for the pollution sources? *With little or no control over BMPs on private property, we believe Municipal BMPs are appropriate.*
   c. Are there specific concerns related to the local receiving waters that may justify a change in BMPs? *There are no specific concerns at this time, however, evaluation is ongoing, and will be addressed when necessary.*

2. An assessment of the effectiveness of the BMPs towards achieving the statutory goal of reducing the discharge of pollutants to the Maximum Extent Practicable (MEP).

   The general assessment of the community's stormwater conduits, in-town streams and rivers are being maintained in a pro-active manner that has resulted in a reduction of pollutants to the MS4 to the maximum extent practicable.

   For new development and redevelopment, the 2010 implementation of the county-wide Stormwater Manual and adoption of associated Ordinances has helped achieve the goal of reducing the pollutants to the maximum extent practicable. The City has implemented a program that requires inspections of post-construction BMPs on a biennial basis to ensure the BMPs are functioning as they were intended when the BMP design was approved. That program began implementation in December 2013 with inspection notices being sent to 15 developments notifying the owner that those inspections were due by January 15, 2014.

3. Provide a summary of results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the SMP.

   Transitioning within the 2014 reporting year to a different Permit presented a challenge. The biggest challenge being the mid-year implementation of a new wet weather sampling program. Historically, wet weather samples have been collected at outfalls. New requirements are that wet weather samples are collected from streams. The City met all requirements of both Permits. Analysis of sampling data and adjustments to Best Management Practices will occur in subsequent years when sufficient data from the new sample locations and new sample

constituents are accumulated. The full 2014 wet weather data set, and summary graphs, are found in Appendix A.

4. Provide a summary of the planned changes in stormwater activities which are scheduled to be undertaken during the next annual reporting cycle. This should address the implementation of new BMPs and/or the deletion of BMPs and include a projected schedule for the month or quarter when the BMP will be either implemented or discontinued. Please note a revised SMP document should be submitted for KDHE review if BMPs are revised.

   There was one goal that was not fully completed.
   - *BMP 5b: Measures to ensure adequate long-term operation and maintenance of BMPs: The City did not receive adequate response for certified bi-annual inspection reports of permanent post construction BMP's. Moving forward, this will be a point of enforcement emphasis.*
   - *A revised SMP document reflecting the new Permit has been submitted in Appendix C with this Annual Report.*

   Stormwater management is, and will continue to be, a dynamic process with changes in priorities, technology, and techniques. The City of Wichita and, The Department of Public Works & Utilities in particular, strive to administer the most effective and functional program possible. In working towards that goal, we evaluate and if appropriate, will implement changes we believe will have strong positive impacts on water quality in the Wichita area.

5. Provide a list of other municipalities/contractors, if any, which will be responsible for implementing any of the program areas of the SMP.

   Continental Analytical Services (CAS) Laboratories is contracted to analyze wet weather samples.

The various documents which are required to be included in the annual report may be attached as appendices with this Annual Report document. The permit requires various monitoring results be reported. The additional Water Monitoring Results documents found in Appendices A and B include report forms to be used for this Annual Report. Appendix A is to be used by both Phase I and Phase II MS4s. Appendix B is to be used by Phase I MS4s. Additional copies of the forms may be generated as necessary to provide reports of all results. Include the annual report file along with all appendices and other required documents on the CD submission of the Annual Report. The permit establishes several reporting requirements, please review "PART V REPORTING" within the permit and ensure the various items which must be reported with the annual report are included with the report. Updated Stormwater Management Program documents, i.e., the plan or SMP, must be submitted with the Annual Report.

G. 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 designed 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: _____ Date Signed: 2/12/2015
(Legally responsible person)

Name (Printed): Jim Hardesty Title: Interim Division Manager

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.
Submit this report to:

KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT
Municipal Programs Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612-1367