

KANSAS STORMWATER 2018 ANNUAL REPORT FORM FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

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

<input type="checkbox"/>	Permittee [Agency Name] Mailing Address 1:	City of Westwood
<input type="checkbox"/>	Mailing Address 2:	2545 W. 47 th Street, Westwood, Ks 66205
<input type="checkbox"/>	Municipality:	Westwood
<input type="checkbox"/>	State:	Kansas
<input type="checkbox"/>	Zip Code:	66205
<input type="checkbox"/>	MS4 Program Contact Person:	John Sullivan
<input type="checkbox"/>	Contact E-Mail Address:	john.sullivan@westwoodks.org
<input type="checkbox"/>	Contact Phone Number:	913-432-1550
<input type="checkbox"/>	Construction E-Mail Address:	john.sullivan@westwoodks.org
<input type="checkbox"/>	Contact Phone Number:	913-432-1550
<input type="checkbox"/>	Kansas Permit Number: — Ex. M-MC21-SU01	M-MO36-SU01

Reporting Period covers activities from January 1, 2018 through December 31, 2018.

This annual report must be submitted to the Kansas Department of Health and Environment (KDHE) by February 28th, 2019. This annual report must be submitted as a PDF file to KDHE on a standard compact disk (CD) or digital versatile disk (DVD).

IN ADDITION, provide the following:

1. A current copy of the Stormwater Management Program (SMP) Document as a PDF file on the CD or DVD.
2. Include at the end of this annual report a section which provides a final report on effectiveness of source controls and structural BMPs to achieve the measurable goals and summarize water quality data from selected monitoring sites. The water quality data should be evaluated for trends over the years of monitoring.
3. Any new stormwater ordinances or revised ordinances which have not already been submitted to KDHE for review/retention.

This template annual report document (basic report) for the 2018 reporting period has changed from the annual report format used in previous years. This year's document focuses on the core aspects of permit requirements including the Stormwater Management Program, the Six Minimum Control

es (Public Education and Outreach, Public Involvement and Participation, Illicit Discharge Prevention and Elimination, Construction Site Stormwater Runoff Control, Post-Construction Stormwater Management in New Development and Redevelopment Projects, and Pollution Prevention/Good Housekeeping for Municipal Operations), Total Maximum Daily Load (TMDL) Best Management Practices and TMDL wet weather monitoring. Additionally, for Phase I permittees a program to monitor listed industrial facilities is required. Although any failure to comply with a requirement of the MS4 NPDES permit may expose the permittee to enforcement action by either the permitting authority (Kansas Department of Health and Environment) or by the Environmental Protection Agency, the failure to implement the core aspects of the permit likely increases the risk of not only enforcement but also of incurring a monetary penalty.

The permittee is well advised to accurately report the conditions and status of their stormwater program and give due consideration of improving or enhancing their program where it is weak, or deficient in any of the core aspects.

MS4 SIX MINIMUM CONTROL MEASURES FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4'S) WITH NPDES PERMITS (MS4)

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

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

1. Public Education and Outreach

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

2. Public Involvement and Participation

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

3. Illicit Discharge Detection and Elimination

The permittee shall:

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

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

4. Construction Site Stormwater Runoff Control

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

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

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

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

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

6. Pollution Prevention/Good Housekeeping for Municipal Operations

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

B. Stormwater Management Program

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

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the Stormwater Management Program (SMP) been developed and implemented?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Has the SMP been modified or updated during this reporting period?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If the answer to question 2 above was "yes," has the modified SMP been submitted to KDHE for review?

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

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

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

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

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

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

D. TMDL BMP Table — Please fill out accordingly

BMP ID NUMBER	BRIEF BMP DESCRIPTION	REGULATED TMDL PARAMETERS	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
N/A				

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
1.1	The city partners with the Johnson County Stormwater Management Program (JCSMP) to conduct stormwater education and outreach on a county-wide basis. The JCSMP also partners with Johnson County K-State Extension (KSE) for some aspects of public education and outreach-- including print media, social media, presentations and events	Type and number of materials distributed	<p>Johnson County Magazine: 730 households in the City of Westwood received each of these four mailings.</p> <p>The Johnson County Magazine is distributed to all households in Johnson County four times a year for the Winter, Spring, Summer, and Fall issues. A ½ page informational advertisement was included in all four issues of the magazine. Additionally, the entire 2018 Summer issue focused specifically on water. Advertisements focused on what homeowners can do to protect water quality, soil tests and how they can help homeowners protect water quality, and proper leaf and yard waste disposal.</p>
1.1	Print media:		
1.1	Social Media:	Type and number reached	KSE utilized the "Nextdoor" social media site to advertise the availability of free soil tests and the benefits of soil testing to protecting water quality. This post reached 74,000 Johnson County households on Nextdoor. KSE also advertised on Facebook. Posts included messaging on Sweeping Fertilizers and grass clippings off hard surfaces and mulch mowing and reached approximately 2,000 Johnson County residents.
1.1	Events and Presentations	Activity and number of participants	Healthy Yards Expo: This annual event is a partnership between the JCSMP, Johnson County K-State Extension, and the cities of Lenexa, Overland Park, and Shawnee that hosts 30 vendors who promote best management practices for residential lawn care management. Eleven presentations with a total of 309 attendees were given during the day on various healthy yard topics. This year's event also featured a native plant giveaway. Native plants were given to 300 attendees. The event had approximately 1500 attendees.

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
1.1	Events and Presentations	Activity and number of participants	<p>Bridging the Gap as a part of a contract with the JCSMP provided 3 native plant workshops and 1 rain barrel workshop in 2018. The workshops were offered in different areas of the County in order to encourage participation from as many cities as possible. The locations, dates, and attendance numbers were:</p> <p>Native Plant Workshops:</p> <ul style="list-style-type: none"> • Johnson County Central Resource Library, Overland Park, May 30, 64 attendees • Sylvester Powell Community Center, Mission, September 11, 39 attendees • Olathe Community Center, Olathe, September 19, 39 attendees <p>Rain Barrel Workshop:</p> <ul style="list-style-type: none"> • Antioch Park, Overland Park, 31 attendees
1.1	Events and Presentations	Activity and number of participants	<p>The Friends of the KAW provided classroom instruction on water quality to 38 classes totaling approximately 1,000 upper elementary and middle school students across the county. 434 Middle School Students participated.</p>

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
2.1	Mechanism for Public Comment on the community's stormwater management plans and regulations for each community. Post annual reports and current stormwater management plan on website or other publicly available mechanism. Provide opportunity for the public to comment on the community's stormwater management plans and regulations.	Documents published in appropriate location Public review and comment allowed	Documents published on City Website. Ability to comment on plans and regulations provided on City Website.
2.2	Comply with Public Notice Provisions: Comply with applicable state and local public notice requirements when developing and revising the Stormwater Management Plan and Stormwater regulations. Provide opportunity for public comment and provide feedback to public comment as required	Stormwater Management plans advertised when developed and as revisions are made. Comments addressed	yes yes

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	Homeowner BMP Cost Share Program: the JCSMP provides funding to cities to match up to 50% percent of practices that a resident can implement on their property to reduce the effects of stormwater. This program has allowed cities to encourage their residents to implement stormwater solutions at a lesser cost. Practices that are eligible for reimbursement include rain barrels, rain gardens, native plantings, native trees, and porous pavement.	Number of stormwater solutions installed	The City of Westwood had 3 participants in the program.

	FREE SOIL TESTING FOR RESIDENTS: Educate residents that applying fertilizer without a current soil test can result in over application and excessive nutrient runoff.	Number of soil tests Education received with reports and through marketing efforts for free soil test opportunity.	1102 soil tests county-wide-- Residential by City <ul style="list-style-type: none"> • Fairway- 7 • Gardner- 19 • Lake Quivira-1 • Leawood-67 • Lenexa-106 • Merriam- 12 • Mission- 21 • Mission Hills-3 • Olathe-181 • Overland Park-277 • Prairie Village-54 • Roeland Park- 9 • Shawnee—102 • Westwood- 7 Participants receive a custom report with recommended rates of application and proper timing. As well as a general stormwater quality awareness pamphlet educating homeowners on lawn and garden best management practices.
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E. SMP Requirements (Six Minimum Control Measures) (Continued)

3. Illicit Discharge Detection and Elimination

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

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a map of the MS4 been developed, showing the location of all outfalls, either pipes or open channel drainage, showing names and location of all streams or lakes receiving discharges from the outfalls?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The permit may require the permittee enact ordinances, or resolutions. Have ordinances, or resolutions, or regulations to prohibit non-stormwater discharges into the storm sewer system been enacted? Effective Date:2/14/2008
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Have the ordinances, resolutions, or regulations been modified?

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

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
3.1	Pollution Prevention Ordinance: Review and update the Stormwater Pollution Prevention Ordinance. Recommend any changes.	Ordinance reviewed and updated (if required).	No updates
3.2	Pollution Prevention Hotline: Maintain a telephone hotline for reporting illicit discharges.	Number of calls received.	No calls received.
3.3	Implement IDDE Plan: Implement plan to detect, identify the source, and eliminate non-stormwater discharges to the MS4, including passing regulations prohibiting non-stormwater discharges to the MS4.	Plan Implemented Actions Documented	YES YES
3.4	Conduct Training: Train Public Works staff on how to detect illicit discharges and the response per the plan.	Training Provided	3 Employees Trained

3.5	Storm Sewer System Map: Maintain updated map of MS4 showing storm sewer outfalls and names and location of all waters of the US that receive discharges from outfall.	Map updated and submitted to KDHE	NO CHANGES TO MAPPING
3.6	HHW Collection: The JC SMP provided supplemental financial assistance to the Johnson County Department of Health and Environment and the city of Olathe's existing HHW Collection programs. This funding allowed for an increase in drop-off appointments at both facilities that would not have otherwise been possible. (These numbers represent the previous year's annual reporting numbers for the HHW sites which is on the State of Kansas's fiscal year of July 1-June 30)	Number of residents served Pounds of Hazardous Material collected	17,268 participants county-wide 1,584,899 pounds of hazardous waste collected

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

4. Construction Site Stormwater Runoff Control

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

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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? Effective Date: 2/14/2008
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure or program been developed requiring construction site owners and/or operators to implement appropriate erosion and sediment control best management practices?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure or program been developed requiring construction site owners and/or operators to control waste such as discarded building materials, concrete truck washout, chemicals, paint, litter, and sanitary waste at construction sites likely to cause adverse impacts to water quality?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure been developed and implemented requiring site plan review which includes consideration of potential water quality impacts?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure been developed for the receipt and consideration of information submitted by the public?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a procedure been developed and implemented for construction site inspection and enforcement of the control measures?

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

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	Contractor Training: Provide education and informational resources for contractors licensed in Johnson County. This year the Johnson County Contractors Licensing Program offered the 8-hour the "ABCs of BMPs" class that instructs contractors on proper erosion and sediment control at construction sites. Attendees could opt to take an exam to become a "Johnson County Certified Inspector".	Number of individuals trained and certified.	79 attendees and 54 certified inspectors
4.1	Regulations and Standards: Review regulation and update (if necessary)	Review regulation Update as necessary	No revisions for the regulations and standards.
4.2	Site Plan Review: Require an Erosion and Sediment Control Plan for any land disturbance activity equal to one acre or more. Require a stormwater management plan that was included with the NOI.	Number of plans submitted and reviewed	1 Plan submitted.
4.3	Inspection and Enforcement: Review Plans, issue permits, track violations and enforcements measures.	Number of violations Violations and enforcement measures documented	6 Violations Yes

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
4.4	Receipt of Public Information on Compliance: Provide a mechanism for receipt and consideration of information submitted by the public on construction site compliance.	Number of Reports Investigation/Actions Documented	No Reports Not Required
	Annual Program Review: Assess applicability of BMPs for MCM4 in SMP	Review and revise as necessary	No Revisions

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

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

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

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The permit requires the permittee, if they have such authority, to enact ordinances or resolutions. Have ordinances or resolutions to address construction site runoff from new development and redevelopment projects been enacted? 2/14/2008
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has a post-construction stormwater runoff program been implemented?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Have post-construction sites been inspected?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Are BMP's specified to minimize adverse water quality impacts?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Have strategies been developed to include a combination of structural and/or non-structural BMP appropriate for the municipality?
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Have measures been implemented to ensure adequate long-term operation and maintenance of structural BMP's?

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

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
5.1	Implement Post-Construction Stormwater Runoff Control Program: Implement program requiring control of stormwater runoff from new development and redevelopment projects that disturb greater than one acre of land, and requirements for long-term maintenance of structural controls. Required elements of this program include.	Program implemented through city ordinance	No Projects requiring this program
5.2	SITE PLAN REVIEW: Ensure site plans incorporate appropriate post-construction runoff controls designed according to previously adopted standards/design manual.	Plans Reviewed	Yes/ None Required
5.3	FINAL CONSTRUCTION INSPECTION: Perform final inspection (or obtain certification from design engineer) to ensure that all post-construction runoff controls were installed according to plans and functioning as designed.	Number of Construction Inspections	No projects/None required
5.4	TRACKING SYSTEM: Maintain database (or other system) to track location and contact information of responsible party for all structural post-construction runoff controls	Database Updated	Yes/ Not Required

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	LONG TERM MAINTENANCE: Implement an inspection and enforcement program to ensure adequate long-term maintenance of structural post-construction runoff controls.	Number of Maintenance Inspections Number of Violations Enforcement Actions Documented	No Projects No Projects None Required
	Annual Program Review: Assess applicability of BMPs for MCM5 in SMP	Review and revise as necessary	No Projects

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

6. Municipal Pollution Prevention/Housekeeping

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

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

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

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
6.1	<p>Reduce Pollutant Runoff From Municipal Operations: Required elements of this program include.</p> <p>STORMWATER MANAGEMENT AUDITS: Periodically audit community-owned facility(s) and/or community operations that may potentially impact surface water through the MS4.</p> <p>STORMWATER POLLUTION PREVENTION PLANS: Develop SWPPP(s) for facility(s) and/or operation(s).</p>	<p>Facility Name/Operation Date of last audit</p> <p>SWPPP(s) completed and on file</p>	<p>Westwood Public Works 1/5/2018</p> <p>Yes</p>
6.2	<p>Municipal Employee Training: Implement training program for employees and document training.</p> <p>List any city specific training performed and documented</p>	<p>Number of city attendees</p>	<p>3 city attendees</p> <p>Conducted a walk through of the Public Works Facility addressing various aspects of the facility for vulnerabilities. Went through the Stormwater Management Plan for the Facility.</p>

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

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

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

BMP ID NUMBER	BRIEF BMP DESCRIPTION	MEASURABLE GOAL(S)	PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)
	Annual Program Review: Assess applicability of BMPs for MCM6 in SMP	Review and revise as necessary	Compliance achieved. No issued violations by employees.

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

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

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

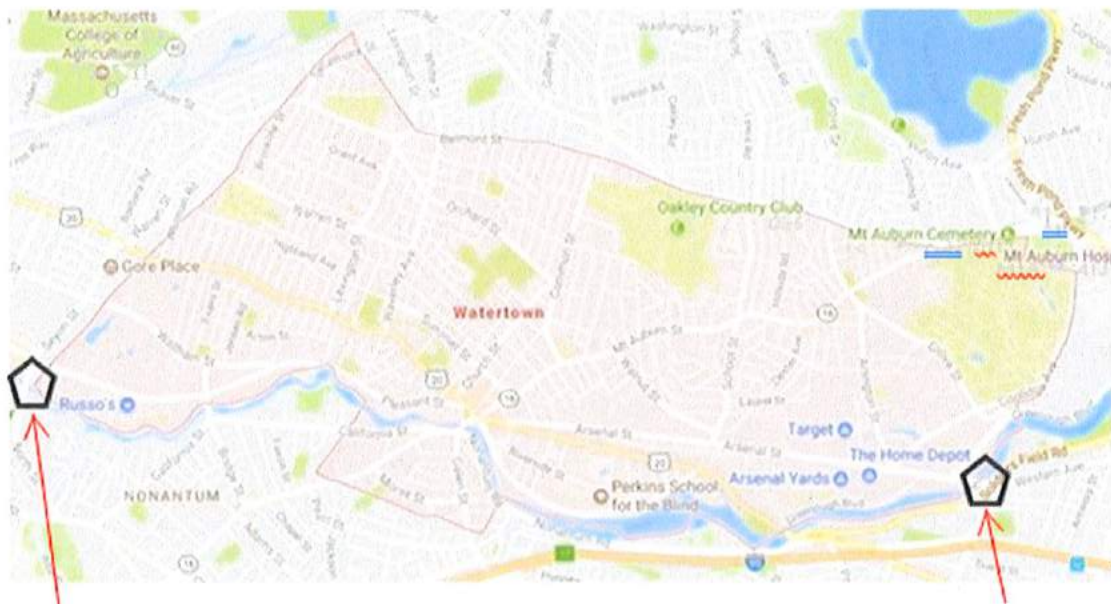
Please place an "X" in the left boxes to complete the table below.

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

F. Recordkeeping and Reporting

Some permittees are required to monitor surface waters if the permit includes TMDL monitoring requirements for Specific Impaired Streams or Lakes to Target within Part II of the permit. Provide a current map of monitoring locations.

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



Upstream Site: Farwell Street Bridge over Charles River

Downstream Site: Arsenal Street Bridge over Charles River

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

Map

"Insert your picture (map)"

**Please clearly label upstream and downstream sites*

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

**Please clearly label upstream and downstream sites*

Local Site Name		
Local Site Identifier		
Sample Location Description		
KDHE EDMR Code if Known		
Lat/Long Data Decimal & Degree Format		
Latitude	°	°
Longitude	°	°

The permit requires a final report on effectiveness of source controls and structural BMPs to achieve the measurable goals. The final report for this MS4 NPDES permit term addressing effectiveness of the Stormwater Management Program to achieve reduction in pollutant discharge from the MS4.

On the following pages address:

1. Effectiveness of pollutant source controls, e.g. public education, identification and elimination of illicit discharges, and the construction site stormwater runoff control program.

The City of Westwood is a city encompassing less than a square mile. Measuring our overall effectiveness of pollutant source controls is difficult at best. We do not drain directly into an impaired water body and therefore we do not have TMDL's. Where our MS4 drains into our neighboring jurisdictions we have not detected any illicit discharges. Being a small landlocked community we do not see much in the way of developments equal to or greater than an acre. In 2018 we did see a project which did fall into this criteria. As a result of this one project we did gain experience in the inspection of the sites and the items that require attention. We noted on six separate occasions deficiencies in the sediment and erosion control which if we had not been required to inspect would have gone unchecked and undoubtedly cause sediment in the receiving cities downstream. We also have a very aggressive street sweeping, catch basin cleaning and leaf removal program which undoubtedly has had a positive effect on the environment.

Additionally, public education and outreach efforts through the multiple approaches from the city, county, and regional levels were successful. Throughout the permit term, education and outreach was accomplished through K-12 education, print, radio, and social media, as well as community events such as the Healthy Yards Expo. The ability to conduct outreach through multiple outlets will hopefully continue to increase the public's awareness of water quality issues and how they can help. The number of outreach impressions from these multiple sources averaged over 1 million per year of the permit term. The Johnson County Stormwater Management Program's partnership with K-State Extension promotes water quality messaging where surveys indicate the public seeks information regarding their lawn and garden care and therefore targeting a likely source for excess nutrients in urban streams.

On the city's behalf, the Johnson County Stormwater Management Program funding provides extended access to the Johnson County and city of Olathe's Household Hazardous Waste facilities. This service helps to reduce illegal dumping by providing residents easier access a place for proper disposal of hazardous materials. Over the permit term, approximately 74,000 participants dropped off over 7,000,000 pounds of hazardous material.

Also on the city's behalf, the Johnson County Stormwater Management Program partners with the Johnson County Contractor Licensing program to offer education on Construction Site Erosion and Sediment Control to contractors. Over the permit term, approximately 400 contractors attended this training.

2. Address all other BMPs implemented (generally the structural BMPs) under the stormwater management program and address their effectiveness.

The City of Westwood, as stated above is a very small landlocked jurisdiction with very little opportunity for growth. As so we do not have any streams or tributaries which we can implement structural BMPs to measure effectiveness. As such

we have not implemented any.

3. Summarize water quality test results, if such testing has been conducted, and address any trends or outliers, i.e., unusually high or low pollutant concentrations. As the data is somewhat limited (perhaps only data over the past five years), definitive conclusions may not be possible, however, if trends are observed, some adjustment in the Stormwater Management Program (SMP) may be justified.

We do not have any TMDLs for our community.

4. Address any SMP modifications which will be considered and possibly implemented in the next few years (up to five years).

We will work to satisfy the new permitting that has been proposed and to provide the same oversight as required by ordinance.

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intentionally
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Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Permittee:  Date Signed 2/28/2019

(Legally responsible person)

Name Printed: John Ye Title Mayor

40 CFR 122.22 Signatories to permit applications and reports.

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

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

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

KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT

Municipal Programs Section

1000 SW Jackson Street, Suite 420

Topeka, Kansas 66612