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

☐	Permittee [Agency Name] Mailing Address 1:	4600 W 51st Street
☐	Mailing Address 2:	
☐	Municipality:	Roeland Park
☐	State:	Kansas
☐	Zip Code:	66205
☒	MS4 Program Contact Person:	Donnie Scharff
☒	Contact E-Mail Address:	dscharff@roelandpark.org
☐	Contact Phone Number:	913-722-2600
☒	Construction E-Mail Address:	dscharff@roelandpark.org
☐	Contact Phone Number:	913-722-2600
☐	Kansas Permit Number: — Ex. M-MC21-SU01	M-M035-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

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

4. Construction Site Stormwater Runoff Control

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

a. Permittees which have the authority to enact ordinances or resolutions shall enact such ordinances or resolutions to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State and Local law;

b. Requirements for construction site owners or operators to implement appropriate erosion and sediment control best management practices;

c. Requirements for construction site owners or operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that are likely to cause adverse impacts to water quality;

d. Procedures for site plan review which incorporate consideration of potential water quality impacts;

e. Procedures for receipt and consideration of information submitted by the public;

f. Procedures for site inspection and enforcement of control measures.

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

The permittee shall develop, implement, and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of alarger 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	
☒	☐	☐	Has the Stormwater Management Program (SMP) been developed and implemented?
☐	☒	☐	Has the SMP been modified or updated during this reporting period?
☐	☐	☒	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	
☐	☐	☒	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.
☐	☐	☒	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)
	The City does not have an TMDL regulated pollutants to an impaired stream to target, however we implement the following BMPs to reduce to the MEP this discharge of possible TMDL pollutants from this MS4.			
	EROSION AND SEDIMENT CONTROL: Review plans, issue permits, track violations and enforcements measures.	Sediment	Number of violations Enforcement measures Documented	No violations in the review period None Required
	PET WASTE BAG DISPENSERS Installed in city/county parks to encourage pet owners to pick up after pets	Bacteria	Number of dispensers Number bags used.	9 dispensers Approximately 24000 bags used in 2018
	FREE SOIL TESTING FOR RESIDENTS: Educate residents that applying fertilizer without a current soil test can result in over application and excessive nutrient runoff.	Nutrients	Number of tests	Roeland Park- 9 tests 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.

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	**DEVELOP STORMWATER RELATED EDUCATION AND OUTREACH MATERIALS**		
	Events and Presentations	Activity and number of participants	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. The City of Roeland Park had: - Hocker Grove Middle School, April 2018 – 42 Students - Bluejacket-Flint Elementary School, May 2018 – 81 Students
	Events and Presentations	Activity and number of participants	Stone Lion Puppet Theater presented 33 performances on water quality to over 7,000 elementary school students across the county. The City of Roeland Park had: - Roesland Elementary School, Sept 2018 – 200 Students
	The City of Roeland Park 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) and the Mid-America Regional Council (MARC) for some aspects of public education and outreach-- including print media, radio and television, social media, websites, presentations and events	Print media: Type and number of materials distributed	Johnson County Magazine: 225,000 households in the City of Roeland Park received each of these four mailings. 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.

	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.
	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.
	Events and Presentations	Activity and number of participants	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: Native Plant Workshops: • 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 Rain Barrel Workshop: • Antioch Park, Overland Park, 31 attendees
1.2	**ANNUAL PROGRAM REVIEW**	Revise as required	None required

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	**PROMOTE COMMUNITY INVOLVEMENT IN STORMWATER QUALITY AWARENESS AND SOLUTIONS:** The JCSMP provided funding on behalf of all MS4 permitted cities in Johnson County for the following public participation programs: **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*** • Roeland Park- 9 tests 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.
2.2	**MECHANISM FOR CITIZEN PARTICIPATION** 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	Annual report and SMP will be published on City's website.
2.3	**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	No stormwater management plan revisions necessary for 2018 No stormwater management plan revisions necessary for 2018
2.4	**ANNUAL PROGRAM REVIEW**	As needed, note revisions in annual report and update SMP	None required

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	
☒	☐	☐	Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4?
☒	☐	☐	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?
☒	☐	☐	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: 4/8/2006
☐	☒	☐	Have the ordinances, resolutions, or regulations been modified? Effective date: n/a

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) (CONTINUED)

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 and enforcement procedures as needed	Review Ordinance and provide and necessary updates.	None required
3.2	**POLLUTION PREVENTION HOTLINE** Maintain phone hotline and online mechanism for reporting illicit discharges; conduct investigations and/or forward to appropriate cities/agencies	Provided on the City Website	Yes
3.3	**IMPLEMENT A PLAN TO DETECT AND ADDRESS ILLICIT DISCHARGES** 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.	Plans Implemented Actions Documented	Yes No actions required
	Conduct training for appropriate county staff on detecting and reporting id.	Train appropriate staff in Public Works staff annually on reporting pollution or conducting investigations	See BMP 6.2
3.4	**STORM SEWER NETWORK AND OUTFALL MAPPING** 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	Yes

3.5	**HOUSEHOLD HAZARDOUS WASTE (HHW) PROGRAM** **HHW Collection:** The JCSMP 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)	# of residents served Pounds of Hazardous Material collected	17,268 participants county-wide 1,584,899 pounds of hazardous waste collected
	SEPTIC SYSTEM INSPECTON PROGRAM: Johnson County Department of Health and Environment staff performs inspections of all on- site sewer systems at construction and resale of property**.**	# of inspections # of soil profile analysis # of required repairs # of permits issued for new construction # of decommissions	-275 residential inspections (required on resale of property), 310 commercial inspections (conducted annually) -70 soil profiles completed -102 minor repairs completed -72 major repair permits issued for systems that were replaced as a result of a failed inspection. -72 permits issued for new construction -44 septic tank decommissions
3.6	**ANNUAL PROGRAM REVIEW**	As needed, note revisions in annual report and update SMP	None Required

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	
☒	☐	☐	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: 9/4/2007***
☒	☐	☐	Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?
☒	☐	☐	Has a procedure or program been developed requiring construction site owners and/or operators to implement appropriate erosion and sediment control best management practices?
☒	☐	☐	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 atconstruction sites likely to cause adverse impacts to water quality?
☒	☐	☐	Has a procedure been developed and implemented requiring site plan review which includes consideration of potential water quality impacts?
☒	☐	☐	Has a procedure been developed for the receipt andconsideration of information submitted by the public?
☒	☐	☐	Has a procedure been developed and implemented forconstruction 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)
4.1	**REGULATIONS AND STANDARDS** Review and update Erosion and Sediment Control Ordinance adopted in 2007 as needed.	Review every 2 years and update as needed	An updated ordinance(s) is in progress and is anticipated in 2019.
	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
4.2	**SITE PLAN REVIEW** Require an Erosion and Sediment Control Plan for any land disturbance activity equal to one acre or more.	# of ESC Plans reviewed	No land disturbance amounts in excess of 1 acre in the review period.
	Hold pre-construction meetings to clarify erosion and sediment control BMPs for site.	# of meetings	None necessary in the review period
	Require submittal of state NOI for Stormwater Construction Runoff.	# of NOI's	No submittal necessary in the review period

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)
4.3	**SITE INSPECTION AND ENFORCEMENT** Track construction site inspections, complaints, violations, and enforcement measures	# of inspections # of violations enforcement measures	2 Site Inspections 0 Violations No enforcement measures required
4.4	**RECEIPT OF PUBLIC INFORMATION ON CONSTRUCTION SITE COMPLIANCE** Track information received from public	Summary of information received, and actions taken	None received from public in 2018
4.5	**ANNUAL PROGRAM REVIEW**	As needed, note revisions in annual report and update SMP (as required)	None Required

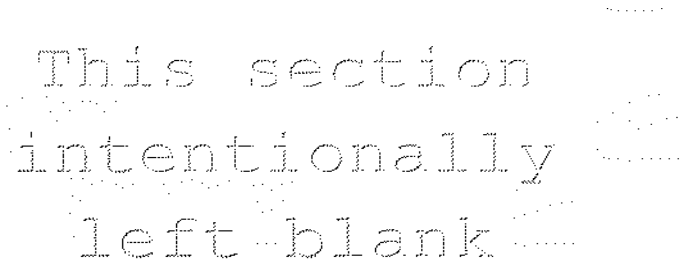
E. SMP Requirements (Six Minimum Control Measures) (Continued)

5. Post-Construction Site Stormwater Management in New Developmentand Redevelopment

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

YES	NO	N/A	
☒	☐	☐	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? Effective date: 9/4/2007
☒	☐	☐	Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?
☒	☐	☐	Has a post-construction stormwater runoff program been implemented?
☒	☐	☐	Have post-construction sites been inspected?
☒	☐	☐	Are BMP's specified to minimize adverse water quality impacts?
☒	☐	☐	Have strategies been developed to include a combination of structural and/or non-structural BMP appropriate for the municipality?
☒	☐	☐	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.



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	**REGULATIONS AND STANDARDS** Review and update Erosion & Sediment Control Standards and Stormwater Management Ordinance #809	Review regulation and update as needed	No revisions made in 2018
	Review and update Post Construction Stormwater Management design criteria.	Review design criteria and update as needed	No revision required
5.2.	**ESTABLISH PLAN REVIEW PROCEDURES** Review and update Post Construction Stormwater Management Plan Review Checklists.	Review and update annually	No revision required
5.3	**SITE PLAN REVIEW** 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:	---	----
	a) SITE PLAN REVIEW: Ensure site plans incorporate appropriate post-construction runoff controls designed according to previously adopted standards/design manual.	Plans Reviewed	No site plans meeting the required perimeters were submitted in the review period.

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)
5.4	b) 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.	# of Construction Inspections	4 site drainage improvements completed as part of the final inspection process in 2018
5.5	c) 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	Drainage improvements are considered public improvements and in most cases part of the performance/maintenance bond process. These are tracked through electronic permitting
5.4	d) LONG TERM MAINTENANCE: Implement an inspection and enforcement program to ensure adequate long-term maintenance of structural post-construction runoff controls	# of Maintenance Inspections # of Violations Enforcement Actions Documented	No maintenance inspections were required in 2018. Several will be due in 2019.
	ANNUAL PROGRAM REVIEW	As needed, note revisions in annual report and update SMP (as required)	None Required

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	
☒	☐	☐	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	**IMPLEMENT PRACTICES TO REDUCE POLLUTION FROM THE MUNICIPAL FACILITIES**		
	Design a comprehensive O&M pollutant reduction program.	SWPPP(s) completed and on File	Completed
	Implement a comprehensive O&M operations pollutant reduction program.	Facility Name/Operation Date of last audit	Public Works Municipal Facility SWPPP to be implemented Spring 2019
6.2	**CONDUCT STAFF TRAINING** Design educational sessions to ensure staff is proficient in minimizing stormwater pollution from daily operations.	# of City attendees:	No training was provided in 2018
	ANNUAL PROGRAM REVIEW	As needed, note revisions in annual report and update SMP (as required)	None required

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.

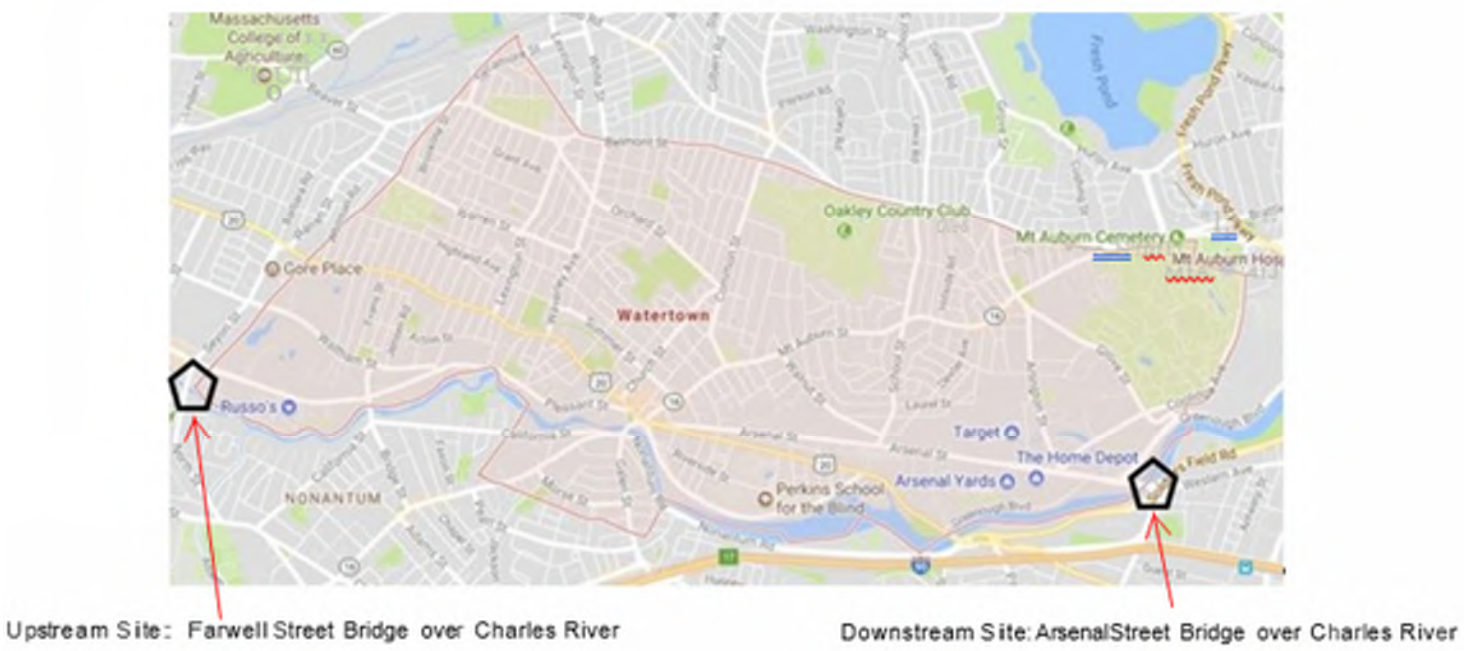
Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
☐	☐	☒	Has the permittee developed and maintained a list of the municipal industrial facilities contributing to the pollutant loading to the MS4?
☐	☐	☒	Have at least two municipal industrial facilities on the list had inspection and sampling conducted?
☐	☐	☒	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.

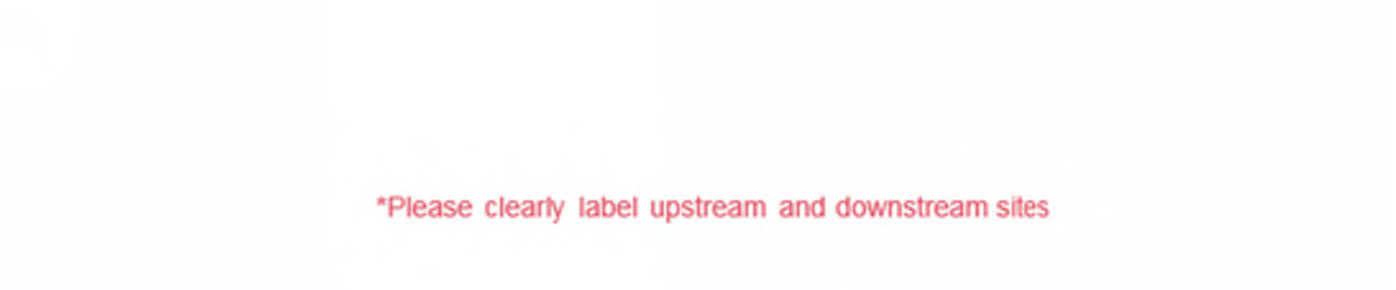
Example map and table below—Please fill out map and table on page 26 and adjust as needed.



Local Site Name	*Farwell*	*Arsenal*
Local Site Identifier	*C1*	*C2*
Sample Location Description	*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.*	*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.*
KDHE EDMR Code if Known	*Far2002C5*	*Arse1001C6*
Lat/Long Data Decimal & Degree Format		
Latitude	*42.367056°*	*42358910°*
Longitude	*-71.218089°*	*-71161087°*

Map

No monitoring requirements listed in Roeland Park's MS4 Permit



Please fill out map and table below accordingly and review the examplemap 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.
2. Address all other BMPs implemented (generally the structural BMPs) under the stormwater management program and address their effectiveness.
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.
4. Address any SMP modifications which will be considered and possibly implemented in the next few years (up to five years).

This section intentionally left blank

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 knowledgeand 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** 2-26-19

(Legally responsible person)

Name Printed: Ronnie Schaaf **Title** Public Work Director

40 CFR 122.22 Signatories to permit applications and reports.

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

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

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

KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT

Municipal Programs Section

1000 SW Jackson Street, Suite 420

Topeka, Kansas 66612

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

The areas that were most effective at reducing pollutants in stormwater runoff include the leaf collection and public outreach & education programs.

- In 2018, 3,050 cubic yards of leaves were collected and prevented from entering the storm system.
- The City provided stormwater pollution education to 323 local students.
- Efforts through print and social media reached the most Johnson County residents by far and increase residents understanding of stormwater pollution.

The City hosted two community events on water quality targeting local students. The Friends of the KAW provided classroom instruction on water quality in the Spring at Hocker Grove Middle School and Bluejacket-Flint Elementary School, totaling 123 students. Also, the Stone Lion Puppet Theater presented a performance on water quality in the Fall at Roesland Elementary School totaling 200 students. 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.

The City's Fall Leaf Pickup Program encourages residents to rake their leaves and keep in their yard for pickup. The City's fall newsletter included an article of the leaf pickup program. Residents have been cooperative in participating in this activity. This mitigates the leaves being washed into stormwater inlets, there by producing a program which is significantly more water quality friendly. In 2018, 3,050 cubic yards of leaves were collected and prevented from entering the storm system.

Pet waste bag dispensers are provided at Sweeney Park, R Park, the Community Center, Cooper Creek, Nall Park and Carpenter Park. For 2018, a total of 24,000 pet waste bags were dispensed from the 9 pet waste dispensers.

The City's new website launched mid-2018. Revisions to the Public Works page are

underway to include information on the current stormwater management plan. Annual reports will be posted here as well. The public will have an opportunity to provide comments on the current stormwater management plan via the reporting page.

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.

The City of Roeland Park has passed an ordinance 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. The City has also adopted procedures to track the location of all structural controls and the contact information for the person responsible for long-term maintenance. We feel these BMP's are effective for this MCM and the local populations. Our ordinance gives the city the enforcement tools necessary to require owners to install and maintain post construction runoff controls.

The City has also completed the Public Works Municipal Facility SWPPP. The SWPPP identifies potential sources of stormwater pollution at the facility and identifies pollution control measures used to reduce the discharge of pollutants in stormwater runoff and serves as a record of the periodic review of the SWPPP. The Inspection Checklists/ Reports help implement the SWPPP by evaluating the types of activities at the facility and the BMPs that have been implemented to assure the activities are not contributing to stormwater pollution. Starting Spring 2019, the City will begin to implement the SWPPP and provide training to field, maintenance and administrative staff. For 2018, the City did not provide annual training to the public works staff on water quality, as such, this annual training will be provided concurrently with the SWPPP training for the next reporting period.

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.

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.

The City of Roeland Park has no TMDLs listed in its permit. No additional information or monitoring data was collected by the City of Roeland Park during this permit year.

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

No modifications are planned at this time.

ROELAND PARK
est 1951

The ROELAND PARKER

October 2018

All About Leaf Collection

Special Section Inside

New Leaf Vacuum Machine

Attention Roeland Park Teens

Roeland Park is seeking candidates for the newly formed Youth Advisory Council starting in 2019. The Council will be responsible for organizing the Neighbors Helping Neighbors Program which uses volunteers to assist local residents in need with property maintenance and improvements.

In addition, they will make recommendations to the Governing Body concerning issues impacting youth in our City. Roeland Park residents and/or students between the ages of 13 and 19 are encouraged to apply online at www.roelandpark.org. Sign up Today!

Upcoming Events

- October 6th—Horizon Academy Fall Festival and Dyslexia Dash 5k ; 4901 Reinhardt
- October 10th—National Walk to School Day; City Hall
- October 20th—Falll Family Fun Picnic; R Park
- December 5th—Holiday Tree Lighting; Roeland Park Community Center, 4850 Rosewood

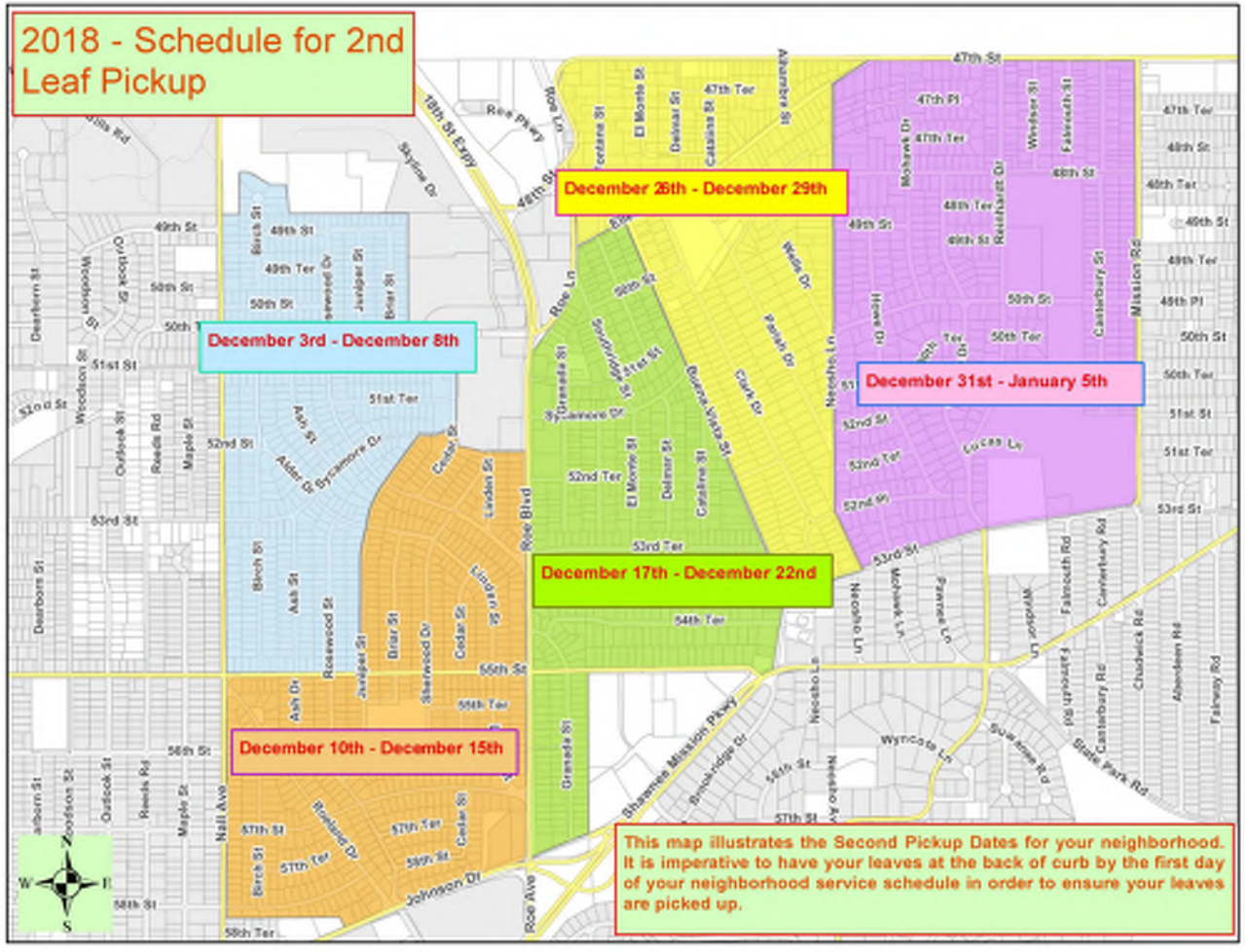
Holidays: City Offices Closed

- November 12th—Veterans' Day Observed
- November 22nd and 23rd—Thanksgiving
- December 24th and 25th—Christmas Holiday

Leaf Collection Schedule

Monday—Friday: 7 a.m. - 5 p.m. and Saturday 7:30 a.m. - 3:30 p.m.

November 5th - November 17th	**1st Collection** for homes West of Roe Blvd
November 19th - December 1st	**1st Collection** for homes East of Roe Blvd
December 3rd - December 8th	**2nd Collection**—See Map, Blue Area
December 10th - December 15th	**2nd Collection**—See Map, Orange Area
December 17th - December 22nd	**2nd Collection**—See Map, Green Area
December 26th - December 29th	**2nd Collection**—See Map, Yellow Area
December 31st - January 5th	**2nd Collection**—See Map, Purple Area
January 7th - January 19th	**3rd and Final** Collection for homes West of Roe Blvd
January 21st – February 2nd	**3rd and Final** Collection for homes East of Roe Blvd



City of Roeland Park Kansas

Are you ready for Leaf Season?

Leaf Collection Instructions and Schedule

4600 W. 51st Street
Roeland Park, Kansas 66205
Phone 913.722.2600

Jose Leon Jr, Director of Public Works
jleon@roelandpark.org

Visit our website for more info:
www.roelandpark.net/328/fall-leaf-pickup-program

Leaf Program Information for the City of Roeland Park

Vacuum Removal at the Curb

Beginning Fall 2018, Roeland Park will begin vacuum leaf removal. Please refer to the instructions below for a seamless removal.

- Rake leaves in long piles behind the curb. Leaves must be kept out of the street. **Leaves in the street will not be collected and must be removed by the resident.**
- Leaves should be placed within 6 feet of the back of the curb.
- Place leaves behind curb the **Sunday prior to your scheduled pickup.**
- Keep leaf piles free of limbs and litter. Our ability to use the vacuum and compost the leaves is dependent on a leaf only collection stream.
- Keep leaves away from obstacles like your collection carts, mailboxes, cars and utility poles.
- **Do not park your vehicle in front of leaves during collection hours of M-F 7a-5p and Sat 7:30a-3:30p.**
- Refer to the photo below for ideal placement

Vacuum Leaf Placement

DO

Sidewalk with grass divider: Place between sidewalk and street

Sidewalk next to the street: Place on sidewalk

No Sidewalk: No more than 6 ft. from the street, behind the back of curb

DO NOT

Do Not place leaves in the street

Do Not mix limbs/ leaves

Lawn Bag or Container Leaf Pickup

The City's waste hauler WCA will continue to offer leaf pickup via paper yard bags and containers with a "yard waste" label. This service is available year-round, including during the City's leaf pickup time. WCA composts all yard waste collected. As a reminder, here are a few tips for successful leaf pickup using this option:

- Place leaves in bags and/or properly labeled containers and place by the curb on your regular trash collection day.
- Ensure yard waste is free from trash or debris
- Bags must be biodegradable—**no plastic bags allowed.**
- Containers must be marked with a yard waste label on the side facing the street. Stickers are available free of charge at City Hall, 4600 W. 51st Street.
- Limbs should be in bundles secured with twine or string not exceeding 4 feet long or 18 inches in diameter. Bundles should not weigh more than 50 pounds.

2018 marks the first year of using the vacuum truck to continue the City's popular leaf program. Benefits of this new method include:

- More environmentally friendly; keeps leaves and debris out of storm sewers.
- More dependable; less likely to be taken out of service due to foreign objects.
- Enhanced safety for motorists and bicyclists by keeping streets free from leaf piles.
- Cleaner—less dust created through the collection process.
- No delays with minor snow fall. The leaf vacuum's sole purpose is to pickup leaves, whereas previous equipment was also used for snow removal.