February 27, 2020

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

Dear Sirs,

As requested, the City of Westwood Hills’ Annual Storm Water Report is on the enclosed DVD.

Thank you,

Beth O’Bryan
City Clerk
KANSAS STORMWATER 2019 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]: | City of Westwood Hills |
| ☐ | Mailing Address 1: | 2216 West 49th Street |
| ☐ | Mailing Address 2: | |
| ☐ | Municipality: | Westwood Hills |
| ☐ | State: | Kansas |
| ☐ | Zip Code: | 66205 |
| ☐ | MS4 Program Contact Person: | Beth O'Bryan |
| ☐ | Contact E-Mail Address: | whclerk@gmail.com |
| ☐ | Contact Phone Number: | 913.262.6622 |
| ☐ | Construction E-Mail Address: | whclerk@gmail.com |
| ☐ | Contact Phone Number: | 913.262.6622 |
| ☐ | Kansas Permit Number: — Ex. M-MC21-SU01 | M-MO39-SU01 |

Reporting period covers activities from January 1, 2019 through December 31, 2019.

This annual report must be submitted to the Kansas Department of Health and Environment (KDHE) by February 28th, 2020. The annual report is to be submitted as PDF files to KDHE preferably on a standard compact disk (CD) or digital versatile disk (DVD). If the permittee does not have the ability to provide the files in a CD or DVD, a flash drive can be submitted. Some permittees provide additional hard copy submissions of the annual report or supplemental documents along with the electronic files. There is no requirement to provide hard copies of any documents other than a simple transmittal letter.
IN ADDITION, provide the following:

1. A current copy of the Stormwater Management Program (SMP) Document as a PDF file along with the Annual Report.

   **Stormwater Management Plan Document is included as a separate attachment.**

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

   1. Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?
   2. Were there any aspects of the program that provided unsatisfactory results?
   3. What was the most successful part of the program?
   4. What was the most challenging aspect of the program?
   5. Describe any City/County area MS4 clean-ups and the participation.
   6. Describe the elected officials' participation in the stormwater pollution elimination.
   7. Describe the collaboration with other organizations to eliminate stormwater pollution.
   8. If an audit/inspection of your MS4 program was conducted by EPA or KDHE during the year, list the items the audit/inspection report identified as required changes and provide a narrative explanation of how the changes were implemented or explain the plan to implement the changes and identify a target date for final implementation.

The executive summary does not need to be extensive and detailed. It is anticipated the executive summaries will range from one half of a page to two pages in length depending on the scope of the program.

**The City of Westwood Hills Executive Summary is included as separate attachment.**

3. Any new stormwater ordinances/resolutions or revised ordinances/resolutions which have not already been submitted to KDHE for review and retention.

   **No new or revised stormwater ordinances or resolutions were adopted in 2019 by the City of Westwood Hills.**

This template annual report document (basic report) for the 2019 reporting period has changed from the annual report format used in previous years. This 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 their listed industrial facilities is required. Although any failure to comply with a requirement of the MS4 National Pollutant Discharge Elimination System (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 to improving or enhancing their program where it is weak or deficient in any of the core aspects (stormwater management program, six minimum control measures and TMDL best management practices – if applicable – also for Phase I permittees monitoring industrial facilities).

**TOPICS REQUIRED TO BE ADDRESSED IN THIS REPORT AS IDENTIFIED IN PART V OF THE PERMIT**

Within the next one or two pages, or perhaps more if so desired, provide comments addressing the following items:

1. Provide the status of compliance with permit conditions, an assessment of the appropriateness of the implemented Best Management Practices, progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable (MEP), and the measurable goals with an indication of the progress toward meeting the goals for each of the six minimum control measures.

   *The City’s compliance with the permit conditions is detailed in the responses provided in the tables below for the six minimum control measures.*

2. Provide results of information collected and analyzed, (for example test results, surveys, or public comments/input) during the annual reporting period. This may include monitoring data used to assess the success of best management practices with respect to reduction in pollutant discharge. Include an interpretation of the information which addresses success or failure of the portion of the program for which the information applies.

   *Other than a public comment received in response to the City’s request for comments to the draft MS4 permit to be issued, the City did not collect any additional information or monitoring data during 2019.*

3. Provide results of information collected and analyzed, if any, during the annual reporting period, including monitoring data used to assess the success of the program at reducing the TMDL regulated pollutants.

   *The City of Westwood Hills has no TMDL permit requirements and did not collect any such information during 2019.*

4. Provide a summary of the stormwater activities that were scheduled to be undertaken during the previous calendar year and the status of these activities.

   *In addition to the normal activities listed in the BMPs below, during 2019, the City contracted for camera inspections of all of its stormwater pipes and for cleaning of the new drop inlets.*

   *Additionally, during 2019, the City was involved in the process of review of the draft MS4 permit to be issued to it and the posting for public comment for the draft MS4 permit. The original draft permit was released for comment in February and City comments were provided to KDHE. A revised draft permit was released for comment in October, and the City again provided comments to KDHE by the November deadline.*
5. Provide a summary of the stormwater activities which are scheduled to be undertaken during the next calendar year (including an implementation schedule).

   During 2020, the City will be drafting and submitting its new Stormwater Management Plan to comply with the new MS4 permit requirements. Once the new Stormwater Management Plan is finalized, the City will be able to have a better outline of its planned stormwater activities.

6. Provide a map showing changes in the permittee’s Permit Area if the permit area has changed within the year.

   The City’s permit area did not change during 2019.

7. Provide a description of significant changes in any of the BMPs.

   The City of Westwood Hills did not adopt any significant changes in any of the BMP’s during 2019. The City does anticipate some possibly significant changes in BMPs with the creation of its new Stormwater Management Plan Document which will be submitted to KDHE later this year.

8. Provide a list of any ordinances or resolutions which were updated in the last year and are associated with the SMP. Please note, page one of this report requires submission of any new stormwater related ordinances or resolutions or any such updated ordinances or resolution be submitted with this annual report.

   The City of Westwood Hills did not update any resolutions or ordinances dealing with its SMP during 2019.

9. Provide a list of other parties (such as other municipalities or consultants), which are responsible for implementing any of the program areas of the Stormwater Management Program.

   Although the City of Westwood Hills is ultimately responsible for permit compliance, the City partners with Johnson County Stormwater Management Program, K-State Research and Extension, and Mid-America Regional Council (MARC) particularly to provide assistance with public education and outreach, public involvement and participation, and illicit discharge elimination and detection. As Westwood Hills contracts with the City of Westwood for public works services and for building permit services, the City of Westwood Hills also relies on the City of Westwood to comply with pollution prevention and good housekeeping with respect to municipal operations and to assist with issues pertaining to construction stormwater runoff control.

10. For Phase I permittees only, provide a summary of the inspection results, including the wet weather surface water quality monitoring test results, and information obtained under PART III Monitoring Industrial Stormwater Discharges section of this permit.

    The City of Westwood Hills is not a Phase I permittee and has no requirements for water quality monitoring.
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 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.

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
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<tbody>
<tr>
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</table>

Has the Stormwater Management Program (SMP) been developed and implemented?

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</table>

Has the SMP been modified or updated during this reporting period?

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</thead>
</table>

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 BMP’s 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.

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
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<td>☐</td>
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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.

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</table>

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.

*The City of Westwood Hills has no TMDL’s identified in its MS4 permit.*
### D. TMDL BMP Table — Please fill out accordingly

<table>
<thead>
<tr>
<th>BMP ID NUMBER</th>
<th>BRIEF BMP DESCRIPTION</th>
<th>REGULATED TMDL PARAMETERS</th>
<th>MEASURABLE GOAL(S)</th>
<th>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</th>
</tr>
</thead>
</table>
|               | *Not applicable to the City of Westwood Hills*
|               | *No TMDL’s in permit*   |               |                |                                           |
|               |                        |                           |                |                                           |
|               |                        |                           |                |                                           |
|               |                        |                           |                |                                           |
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 BMP’s as identified in the SMP and provide the requested information in the following table.
(List presentations and media)

<table>
<thead>
<tr>
<th>BMP ID NUMBER</th>
<th>BRIEF BMP DESCRIPTION</th>
<th>MEASURABLE GOAL(S)</th>
<th>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</th>
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<tbody>
<tr>
<td>1.1</td>
<td>Develop a stormwater public education and outreach program</td>
<td>The City participates in education and outreach through partner efforts of the Johnson County Stormwater Management Program (JCSMP). Public Education/Outreach: The City of Westwood Hills 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. Outreach efforts provided through this partnership may include partnering with schools and local non-profit organizations working in Johnson County to implement stormwater education/curricula in schools and the community.</td>
<td>Public Education/Outreach: The City of Westwood Hills 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. Presentations and Events - Activities and number of participants</td>
</tr>
</tbody>
</table>
Bridging the Gap:
The JCSMP partners with Bridging the Gap to provide support to the cities’ Homeowner Stormwater BMP Cost Share program, a program which Westwood Hills once again offered to its residents in 2019. Bridging the Gap has worked to create a brand of “Contain the Rain JOCO” and has developed a website www.containtherainjoco.com where homeowners have access to resources on native plants, trees, and rain barrels as well as a ‘one-stop shop’ for links to all the cities’ programs within Johnson County.

During 2019, Bridging the Gap also conducted six native plant workshops in support of the Contain the Rain programs. These workshops included a presentation on the benefits of native plants and how to choose the best native plants for the home. The workshops also included a question/answer period. Bridging the Gap also offered one rain barrel workshop during 2019.

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:
- Sylvester Powell Community Center, Mission, April 25, 2019; 15 attendees
- Olathe Community Center, Olathe, May 30, 2019; 20 attendees
- LWV Johnson County Library, Oak Park, June 22, 2019; 35 attendees
- Johnson County Central Resource Library, Overland Park, August 15, 2019; 33 attendees
- Roeland Park Community Center, Roeland Park, September 9, 2019; 13 attendees
- Tomahawk Ridge Community Center, Overland Park, September 12, 2019; 12 attendees

Rain Barrel Workshop:
- Antioch Park, Overland Park, July 13, 2019; 17 attendees
**Friends of the Kaw (FOK):**
The JCSMP contracts with the Friends of the Kaw to present water quality data collection and analyses to middle school aged students through their “Kids About Water” programming. Through this multi-day programming, students learn about watersheds and water quality indicators of stormwater pollution. The students visit streams to collect and analyze water samples and macroinvertebrate populations. Then, the students determine the health of the stream and what actions can be taken to improve or protect water quality. In 2019, the Friends of the Kaw presented to 68 classes, which included 1,988 students. Unfortunately, in 2019, none of these presentations occurred at the middle schools located within the standard Westwood Hills attendance boundaries.

**Shawnee Mission School District (8th grade curriculum, Friends of the Kaw, and Blue River Watershed Association):**
Incorporated curriculum in 6-8th grades which curriculum is focused on teaching students about water quality and human impacts on degraded water quality in the environment. The JCSMP provided funding for 8th grade students streamside water quality sampling experiences for approximately 2,100 students in 78 classes in 2019. This curriculum begins in the 6th grade and continues through 8th grade culminating in a field trip to collect water quality and macroinvertebrate samples to analyze the health of the streams. The ultimate goal is to provide this experience to every 8th grade student in the five Shawnee Mission middle schools—Hocker Grove, Indian Hills, Indian Woods, Trailridge, and Westridge. During the 2018-2019 school year, the 8th grade classes at Hocker Grove, Indian Woods, Trailridge, and Westridge received the stream side instruction. Indian Hills 8th graders had the field experience as 7th graders in 2018, which field experience was funded by the JCSMP and conducted by Friends of the Kaw. The experience at Indian Hills Middle School occurred in May
1.2 Develop stormwater related education and outreach materials

The City participates in the development of education materials through partner efforts of the JCSMP. Items provided through this partnership may include articles or advertising in local newspapers, print/electronic newsletters, flyers, brochures, envelope stuffers, etc.

Social Media and Online media: The JCSMP partnered with K-State Extension Johnson County for social media and other web-based messaging.

Type and number of materials distributed

City Publications and Notices:

In addition to its own publications, the City utilized materials and programs developed in cooperation with JCSMP and messages and education developed by JCSMP and KSE.

The City of Westwood Hills Newsletter is distributed to all households in the City of Westwood Hills - 175 homes. Additionally, the City Newsletters are posted on the City’s website and the City’s Facebook page, and the newsletters are linked to the City’s Twitter account so that Twitter followers are also alerted to the Newsletters.
January 2019 – City Newsletter
Included article entitled “Trees Tame Stormwater” provided by the Arbor Day Foundation.

February 2019 – City Newsletter
Included article entitled “Trees Tame Stormwater” provided by the Arbor Day Foundation; included announcement about and link to K-State Extension Service gardening information.

March 2019 – City Newsletter
Included article entitled “Trees Tame Stormwater” provided by the Arbor Day Foundation; included announcement about and link to K-State Extension Service gardening information; included notice about proper recycling practices provided by Johnson County Department of Health and Environment led coalition of local cities (including Westwood Hills).

April 2019 – City Newsletter
Advised residents of City’s Arbor Day Celebration to be held on April 20, 2019, on The Green; included announcement about and link to K-State Extension Service gardening information; included summary of and link to Dennis Patton’s article “Be Kind to Water” concerning proper lawn mowing practices, originally appearing in The Kansas City Star; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report.

May 2019 – City Newsletter
Included announcement about and link to K-State Extension Service gardening information; included summary of and link to Dennis Patton’s article “Be Kind to Water” concerning proper lawn mowing practices, originally appearing in The Kansas City Star; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report.

June 2019 – City Newsletter
Included notice of Pollinator and Native Plant Workshop to be held on June 22, 2019; included announcement about and link to K-State Extension Service gardening...
information; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report; advised residents of the availability of the reimbursement/cost share program to encourage planting of native tree species, installation of native plantings on buffers/swales, installation of rain gardens, and installation of permeable pavement and of the eligibility of these items for participation in the BMP cost share program funded by Johnson County.

July 2019 – City Newsletter
Included announcement about and link to K-State Extension Service gardening information; provided notice about Johnson County Wastewater program to assist residents to determine source of water back-up in basements; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report; advised residents of the availability of the reimbursement/cost share program to encourage planting of native tree species, installation of native plantings on buffers/swales, installation of rain gardens, and installation of permeable pavement and of the eligibility of these items for participation in the BMP cost share program funded by Johnson County.

August 2019 – City Newsletter
Included notice of posting on City’s website of proposed new MS4 permit for City and deadline for submission of public comments; advised residents of community paper shredding and electronic recycling event to be held on September 21, 2019; included article “Only Rain Goes Down the Drain – With Your Help” advising residents of need to keep curbs clear of debris to prevent impairment of stormwater inlets and pipes and requesting residents to sweep curbs and gutters along their properties; provided notice about Johnson County Wastewater program to assist residents to determine source of water back-up in basements; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report; advised residents of the availability of the reimbursement/cost share program to encourage planting of native tree
species, installation of native plantings on buffers/swales, installation of rain gardens, and installation of permeable pavement and of the eligibility of these items for participation in the BMP cost share program funded by Johnson County.

**September 2019 – City Newsletter**
Advised residents of community paper shredding and electronic recycling event to be held on September 21, 2019; included article “Only Rain Goes Down the Drain – With Your Help” advising residents of need to keep curbs clear of debris to prevent impairment of stormwater inlets and pipes and requesting residents to sweep curbs and gutters along their properties; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report; advised residents of the availability of the reimbursement/cost share program to encourage planting of native tree species, installation of native plantings on buffers/swales, installation of rain gardens, and installation of permeable pavement and of the eligibility of these items for participation in the BMP cost share program funded by Johnson County.

**October 2019 – City Newsletter**
Advised residents of community wide leaf pick-up scheduled for December 8, 2019; included report on results of community recycling event held on September 21st; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report; advised residents of the availability of the reimbursement/cost share program to encourage planting of native tree species, installation of native plantings on buffers/swales, installation of rain gardens, and installation of permeable pavement and of the eligibility of these items for participation in the BMP cost share program funded by Johnson County.

**November 2019 – City Newsletter**
Included photos from recent stormwater pipe inspection and requested residents to clean gutters along their properties to prevent additional leaf build-up in stormwater pipes; advised residents of community wide leaf
pick-up scheduled for December 8, 2019; included article “Only Rain Goes Down the Drain – With Your Help” advising residents of need to keep curbs clear of debris to prevent impairment of stormwater inlets and pipes and requesting residents to sweep curbs and gutters along their properties; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report.

**December 2019 – City Newsletter**
Announced City’s receipt of EPA’s Pisces Award for Excellence and Innovation for work in the rehabilitation of the City’s stormwater collection system; included article “Only Rain Goes Down the Drain – With Your Help” advising residents of need to keep curbs clear of debris to prevent impairment of stormwater inlets and pipes and requesting residents to sweep curbs and gutters along their properties; provided residents a link to the City’s Stormwater Management Plan and the 2018 SMP Report.

**February 23, 2019 – City Notice** (e-mail blast) advising residents of the posting of the new draft MS4 permit for the City on the City's website and providing opportunity for public comments, which will be due to KDHE by March 16, 2019.

**August 15, 2019 – City Notice** (e-mail blast) advising residents of the posting of the new revised draft MS4 permit for the City on the City’s website and providing opportunity for public comments, which will be due to KDHE by September 7, 2019.

**September 19, 2019– City Notice** (e-mail blast) reminding residents of paper shredding and electronics recycling event to be held on September 21st.

**October 22, 2019– City Notice** (e-mail blast) advising residents of the posting of the new revised draft MS4 permit for the City on the City’s website and providing opportunity for public comments, which will be due to KDHE by November 16, 2019.
### JCSMP Public Ed/Outreach: Print media

- **November 27, 2019 – City Notice** (e-mail blast) advising residents of city-wide leaf collection set for December 8, 2019, and advising of procedure for readying leaves for pick-up.

- **December 6, 2019 – City Notice** (e-mail blast) advising residents of city-wide leaf collection set for December 8, 2019, and advising of procedure for readying leaves for pick-up.

### Johnson County Magazine: The 175 households in the City of Westwood Hills received each of the four mailings detailed below.

The Johnson County Magazine was distributed to all households in Johnson County four times during 2019 with the Winter, Spring, Summer, and Fall issues. A one-half page informational advertisement was included in each of the four issues of the magazine. Advertisements focused on Healthy Yards Expo, what homeowners can do to protect water quality, soil tests and how they can help homeowners protect water quality, hazardous waste collection sites, and proper leaf and yard waste disposal.

### 1.3 Annual Program Review

**Annual Program Review:** Assess applicability of BMPs for MCM1 in SMP.

JCSMP and Cities review and assess the program on an annual basis and revise as required.

**Review and revise as necessary.**

Although no revisions have been required during 2019, the City of Westwood Hills anticipates revisions to be made to the MCM1 BMPs in connection with the submission of the City’s new Stormwater Management Plan.
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)

<table>
<thead>
<tr>
<th>BMP ID NUMBER</th>
<th>BRIEF BMP DESCRIPTION</th>
<th>MEASURABLE GOAL(S)</th>
<th>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td><strong>Develop a Public Involvement and Participation Program, and Create a Mechanism for Public Comment and Input</strong></td>
<td>Provide a mechanism for public comments on the stormwater management program, the SMP, and stormwater pollution control initiatives. Input may be provided on website, at community events, or through similar means. Email address for City Clerk available for public comment/communication.</td>
<td>Documents published in appropriate location Public review and comment allowed Post annual report and current stormwater management plan on website. Provide opportunity for the public to comment on the community’s stormwater management plans and regulations.</td>
</tr>
<tr>
<td>2.2 Comply with Public Notice Provisions</td>
<td>Public comment methods will comply with State and City public notice requirements when developing and revising the Stormwater Management Plan and Stormwater regulations.</td>
<td>Stormwater Management plans advertised when developed and as revisions are made. Provide opportunity for public comment and provide feedback to public comment as required. Comments addressed.</td>
<td>The City of Westwood Hills will again put a notice in an upcoming City newsletter asking residents to review the Westwood Hills 2019 Stormwater Management Plan Annual Report and advising residents that they may email The City of Westwood Hills with any comments they wish to make regarding the 2019 Annual Report or the Stormwater Management Plan. With respect to the new draft MS4 permit that was open for comment during 2019, the City posted the Notice for Public Comment and the draft MS4 permit on the City’s website in February, posted the new Notice for Public Comment and revised draft MS4 permit on the City’s website in August, and posted the new Notice for Public Comment and revised draft MS4 permit on the City’s website in November. Additionally, the City sent e-mail blasts to residents advising of the proposed revised MS4 permit and opportunity to comment (including deadlines for comment submission) on February 23, 2019, August 15, 2019, and October 22, 2019. One resident did contact the City with a recommendation to remind residents to clear curbs and gutters of leaf debris to keep stormwater inlets and pipes clear and free flowing. The resident was thanked for her input, and in its newsletters, the City continued its practice of reminding residents of the need to keep the gutters clear (August, September, November, and December).</td>
</tr>
</tbody>
</table>
### Promote Community Involvement in Stormwater Quality Awareness and Solutions

The City participates in community involvement initiatives through partner efforts of the Johnson County Stormwater Management Program (JCSMP).

- In 2015, the City installed a pet waste bag dispenser in the City's public space, The Green, encouraging pet owners to pick up after pets. In 2016, the City also added a trash receptacle near the bag dispenser.

  a) Soil testing program: All residents of Johnson County are eligible for free soil testing through the Johnson County K-State Extension office. Soil Testing program educates residents that applying fertilizer without a current soil test can result in over application and excessive nutrient runoff.

  Number of soil tests conducted and water quality education provided

  - 979 soil tests county-wide--
  - **Residential by City**
    - DeSoto – 6
    - Edgerton – 3
    - Eudora - 2
    - Fairway- 10
    - Gardner- 20
    - Lake Quivira-3
    - Leawood- 70
    - Lenexa-116
    - Merriam- 15
    - Mission- 22
    - Mission Hills-4
    - Olathe-194
    - Overland Park-302
    - Prairie Village-57
    - Roeland Park- 10
    - Shawnee—114
    - Spring Hill – 7
    - Stilwell - 17
    - 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.

- b) Workshops and native plant sale

  Number of participants in educational activities.

  **Healthy Yards Expo:** This annual event, held on April 6, 2019, is a partnership among the JCSMP, Johnson County K-State Extension, and the cities of Lenexa, Olathe, Overland Park, and Shawnee, which event hosts 30 vendors who promote best management practices for residential lawn care management. Approximately 1700 persons attended this event in 2019.
Bridging the Gap, as a part of a contract with the JCSMP, provided six native plant workshops and one rain barrel workshop during 2019. These workshops included a presentation on the benefits of native plants and how to choose the best native plants for the home. The workshops also included a question/answer period. Bridging the Gap also offered one rain barrel workshop during 2019.

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:
- Sylvester Powell Community Center, Mission, April 25, 2019; 15 attendees
- Olathe Community Center, Olathe, May 30, 2019; 20 attendees
- LWV Johnson County Library, Oak Park, June 22, 2019; 35 attendees
- Johnson County Central Resource Library, Overland Park, August 15, 2019; 33 attendees
- Roeland Park Community Center, Roeland Park, September 9, 2019; 13 attendees
- Tomahawk Ridge Community Center, Overland Park, September 12, 2019; 12 attendees

### Rain Barrel Workshop:
- Antioch Park, Overland Park, July 13, 2019; 17 attendees

### Olathe North High School geosciences students present rain barrel workshops to community adults. The rain barrel workshops include stormwater quality education and the participants receive a free rain barrel. In 2019, 123 residents participated in the program. Additionally, 23 residents attended a rain garden class instructed by David Dods, a local rain garden expert.

### 2.4 BMP Cost Share Program for Homeowners

**Homeowner BMP Cost Share Program:** the JCSMP provides funding to cities to match up to 50% percent of practices that residents 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

Once again, the City of Westwood Hills participated in the JCSMP BMP Cost Share Program to encourage residents to plant native trees and plantings or to install rain gardens, rain barrels, or permeable pavement. Unfortunately, no households in the City took advantage of the program during 2019.
| 2.5 Annual Program Review | Annual Program Review: Assess applicability of BMPs for MCM 2 in SMP. Assess Program and revise as required. | Review and revise as necessary | Although no revisions have been required during 2019, the City of Westwood Hills anticipates revisions to be made to the MCM2 BMPs in connection with the submission of the City’s new Stormwater Management Plan. |
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.

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
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<td>☒</td>
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</table>

Has a program/plan been developed and is it presently implemented to detect and address illicit/prohibited discharges into the MS4?

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
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<tbody>
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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?

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
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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: July 11, 2016

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
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<tbody>
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</table>

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.

This section intentionally left blank.
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.

<table>
<thead>
<tr>
<th>BMP ID NUMBER</th>
<th>BRIEF BMP DESCRIPTION</th>
<th>MEASURABLE GOAL(S)</th>
<th>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Map of Storm Sewer System Map: Prepare a map of the City’s storm sewer system, pipes, channels, outfalls, and receiving water bodies. Maintain updated map of MS4 showing storm sewer outfalls and names and location of all waters of the US that receive discharges from outfall.</td>
<td>Map submitted to KDHE</td>
<td>No changes have been made to the storm sewer system map; however, during 2018, the totality of the City’s storm sewer system was inspected, and substantial repairs were made in order to extend substantially the useful life of the current system. (repair costs were in excess of $600,000 during 2018). During 2019, the City also inspected all of its stormwater pipes to determine the condition of all parts of the City’s stormwater system. During 2020, the City plans to finalize the ratings of all stormwater assets and provide those ratings to the Johnson County Stormwater Management Plan mapping (AIMS).</td>
</tr>
<tr>
<td>3.2</td>
<td>Develop an Illicit Discharge Detection and Elimination program: Initiate a program to detect and eliminate 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.</td>
<td>Plan Implemented Actions Documented</td>
<td>Plan addressed in City Ordinance No. 257, Stormwater Pollution Prevention for Storm Sewers and Surface Waters, adopted July 11, 2016. Actions Documented</td>
</tr>
<tr>
<td>3.3 Pollution Prevention Ordinance</td>
<td>Develop or update the Stormwater Pollution Ordinance and enforcement procedures as needed</td>
<td>Adopt ordinance or update/revise if required.</td>
<td>On July 11, 2016, the City Council adopted Ordinance No. 257, Stormwater Pollution Prevention for Storm Sewers and Surface Waters. No revisions to the City’s Stormwater Pollution Prevention ordinances were required during calendar year 2019.</td>
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<td>3.4 Program to inform public employees, businesses, and general public</td>
<td>Incorporate information on the hazards of illegal discharges into the public education and outreach program. Train appropriate city personnel on the hazards of illicit discharges and how to identify such illicit discharges.</td>
<td>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, which funding allowed for an increase in drop-off appointments at both facilities that would not have otherwise been possible. (These numbers are the previous year’s annual reporting numbers for the HHW sites which is on the State of Kansas’s fiscal year - July 1-June 30).</td>
<td>All households in the City of Westwood Hills received household waste, recycling, and yard waste collection services provided through a contract between the Westwood Hills Homes Association and WCA. Additionally, through City newsletters and announcements, the City advises its residents of the availability of hazardous waste disposal through JCDHE.</td>
</tr>
<tr>
<td></td>
<td>Number of residents served</td>
<td>8,343 participants at Mission facility 9,079 participants at Olathe facility</td>
<td></td>
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<td></td>
<td>Pounds of Hazardous Material collected</td>
<td>639,057 pounds of hazardous waste collected at Mission facility 900,965 pounds of hazardous waste collected at Olathe facility</td>
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<tr>
<td></td>
<td>SEPTIC SYSTEM INSPECTION PROGRAM: Johnson County Department of Health and Environment staff performs inspections of all on-site sewer systems at construction and resale of property.</td>
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<tr>
<td>3.5 Implement a plan to detect and address illicit discharges</td>
<td>Provide a means for residents to report illicit discharges. Respond to and investigate reports of potential illicit discharges.</td>
<td>Investigate illicit discharge complaints in the City, track the number of complaints received, and the disposition of the problem found. Forward complaints to appropriate agencies, as needed.</td>
<td>During 2019, the City received one complaint about contractors washing paint brushes into the storm gutters. The police were immediately dispatched to stop the contractors, and the contractors and homeowner were advised of the prohibition of paint brush washing being discharged into the stormwater system. No further action was required.</td>
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<td>These numbers are a county-wide representation (except the city of Overland Park). No known septic sewers are located in Westwood Hills.</td>
<td>Number of inspections</td>
<td>257 residential inspections (required on resale of property)</td>
<td>Number of soil profile analysis</td>
</tr>
<tr>
<td>Number of soil profile analysis</td>
<td>89 soil profiles completed</td>
<td>Number of required repairs</td>
<td>89 minor repairs completed</td>
</tr>
<tr>
<td>Number of required repairs</td>
<td>Number of permits issued for new construction</td>
<td>67 permits issued for new construction</td>
<td>Number of decommissions</td>
</tr>
<tr>
<td>3.6 Annual Program Review</td>
<td>Annual Program Review: Assess applicability of BMPs for MCM3 in SMP. Assess the Program and revise as required.</td>
<td>Review and revise as necessary</td>
<td>Although no revisions have been required during 2019, the City of Westwood Hills anticipates revisions to be made to the MCM3 BMPs in connection with the submission of the City's new Stormwater Management Plan.</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
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</table>

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: **December 11, 2017**

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 at construction 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 and consideration of information submitted by the public?

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.

<table>
<thead>
<tr>
<th>BMP ID NUMBER</th>
<th>BRIEF BMP DESCRIPTION</th>
<th>MEASURABLE GOAL(S)</th>
<th>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</th>
</tr>
</thead>
</table>
| 4.1 Regulations and Standards | Ordinance to address construction runoff to be adopted by January 1, 2018. Review regulation and update (if necessary). | Review regulation  
Update as necessary | On December 11, 2017, City Council adopted Ordinance No. 268, Erosion and Sediment Control Act, prior to deadline of January 1, 2018. Ordinance was published as required in The Legal Record. |
<p>| 4.2 Site Plan Review (No sites greater than one acre currently platted or available) | Require an Erosion and Sediment Control Plan for any land disturbance activity equal to one acre or more, to address erosion &amp; sediment control, and water quality protections. | Number of site plan submissions and reviews | As no sites greater than one acre are currently platted or available in the City, no site plan reviews are anticipated at this time. |
| 4.3 Site Inspection and Enforcement | Track construction site inspections, complaints, violations, and enforcement measures | Number of inspections, complaints, violations, enforcement measures | As no sites greater than one acre are currently platted or available in the City, very few construction site inspections covered by the newly adopted ordinance are anticipated. The City Building Inspector will continue to inspect construction site runoff control measures, as needed, on all construction projects within the City. |</p>
<table>
<thead>
<tr>
<th>4.4 Receipt of Public Information on Construction Site Compliance</th>
<th>Provide a procedure to receive and consider information from the public on construction site compliance.</th>
<th>Summary of information received and actions taken.</th>
<th>In conjunction with the filing for a building permit, adjoining property owners are notified of the building plans and provided an opportunity to consent or to appear at a Planning Commission meeting to object to the construction. During 2019, the City did not receive any public information or complaints on construction site compliance.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5 Staff Training</td>
<td>Provide training and information to staff as needed.</td>
<td>Contractor Training: Provide education and informational resources for contractors licensed in Johnson County. This year the Johnson County Contractors Licensing Program offered two 4-hour the &quot;ABCs of BMPs&quot; class that instructs contractors on proper erosion and sediment control at construction sites. Attendees could opt to take an exam to become a &quot;Johnson County Certified Inspector”. Each attendee received a copy of the “Johnson County Kansas Erosion Prevention and Sediment Control Field Guide”.</td>
<td>Number of individuals trained 140 attendees and 65 certified inspectors</td>
</tr>
<tr>
<td>4.6 Annual Program Review</td>
<td>Annual Program Review: Assess applicability of BMPs for MCM4 in SMP. Assess the program and revise as required.</td>
<td>Review and revise as necessary Required ordinance adopted on December 11, 2017. Although no revisions have been required during 2019, the City of Westwood Hills anticipates revisions to be made to the MCM4 BMPs in connection with the submission of the City's new Stormwater Management Plan.</td>
<td></td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
</tr>
</thead>
</table>
| ☒   | ☐  | ☐   | 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:  

**December 11, 2017**

| ☒   | ☐  | ☐   | 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? (None inspected to date) |
| ☒   | ☐  | ☐   | 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.

This section intentionally left blank
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.

<table>
<thead>
<tr>
<th>BMP ID NUMBER</th>
<th>BRIEF BMP DESCRIPTION</th>
<th>MEASURABLE GOAL(S)</th>
<th>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1 Regulations and Standards</td>
<td>Develop or update Post Construction Stormwater Management Ordinance. 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 site plan review (MCM 5.2), final construction inspection (MCM 5.3), tracking system (MCM 5.4), and long term maintenance (MCM 5.4).</td>
<td>Ordinance adopted per schedule; however, no lots in the City are equal to or larger than one acre in size.</td>
<td>On December 11, 2017, City Council adopted Ordinance No. 268, Erosion and Sediment Control Act, prior to deadline of January 1, 2018. Ordinance was published as required in The Legal Record.</td>
</tr>
<tr>
<td>5.2 Site Plan Review (No sites greater than one acre currently platted or available)</td>
<td>Require a Post-Construction Stormwater Management Plan for any new development or re-development project that disturbs one acre or more of land.</td>
<td>Review all site plans and ensure site plans incorporate appropriate post-construction runoff controls and determine compliance with Post-Construction Stormwater Management Ordinance and design criteria.</td>
<td>Ordinance No. 268 pertaining to erosion and sediment control has been adopted; however no platted or vacant sites within the City are equal to or larger than one acre in size.</td>
</tr>
<tr>
<td>5.3 Site Inspection and Enforcement</td>
<td>Establish inspection program for private and public projects.</td>
<td>Implement site inspection and final construction inspection program.</td>
<td>Ordinance No. 268 pertaining to erosion and sediment control has been adopted; however no platted or vacant sites within the City are equal to or larger than one acre in size. During 2019, the City conducted camera inspections of all of its storm sewer lines and drop inlets.</td>
</tr>
<tr>
<td></td>
<td>Establish long term O&amp;M Program</td>
<td>Develop appropriate ordinance and program requirements, including tracking system and inspection and enforcement program to ensure adequate long-term maintenance of structural post-construction controls.</td>
<td>Ordinance No. 268 pertaining to erosion and sediment control has been adopted; however no platted or vacant sites within the City are equal to or larger than one acre in size. In connection with the storm sewer repair projects undertaken by the City during 2018, the City has adopted a plan for ongoing maintenance of the repaired structures which calls for inspecting a minimum of 5% of the structures annually and setting up a reserve fund to pay for ongoing maintenance costs. Copies of the City’s Final Plan of Operations and Fiscal Sustainability Plan are included with this report have been provided previously. During 2019, the City engaged a contractor to conduct a full inspection of its stormwater assets and provide a useful life rating of all the assets.</td>
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<tr>
<td><strong>5.4</strong> Establish long term O&amp;M Program</td>
<td>Establish a program that requires the owner/operator to perform routine inspections and long-term maintenance.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5.5</strong> Annual Program Review</td>
<td>Annual Program Review: Assess applicability of BMPs for MCM5 in SMP. Assess Program and revise as required</td>
<td>Review and revise as necessary</td>
<td>Required ordinance adopted on December 11, 2017. Although no revisions have been required during 2019, the City of Westwood Hills anticipates revisions to be made to the MCM5 BMPs in connection with the submission of the City’s new Stormwater Management Plan.</td>
</tr>
</tbody>
</table>
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.

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</table>

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.

This section intentionally left blank
### 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.

<table>
<thead>
<tr>
<th>BMP ID NUMBER</th>
<th>BRIEF BMP DESCRIPTION</th>
<th>MEASURABLE GOAL(S)</th>
<th>PROGRESS ACHIEVING GOAL(S) (MEASURED RESULT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>Implement practices to reduce pollution from maintenance on city roads, easements and park.</td>
<td>Design a comprehensive O&amp;M pollutant reduction program. Examples include snow and ice removal, lawn care and toxic material handling.</td>
<td>Develop a pollutant based plan that reduces identified pollutants from activities.</td>
</tr>
<tr>
<td></td>
<td>Reduce Pollutant Runoff From Municipal Operations: Required elements of this program include:</td>
<td></td>
<td>After initial inventory, conduct annual inspections.</td>
</tr>
<tr>
<td></td>
<td>STORMWATER MANAGEMENT AUDITS: Periodically audit community-owned facility(s) and/or community operations that may potentially impact surface water through the MS4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>STORMWATER POLLUTION PREVENTION PLANS: Develop SWPPP(s) for facility(s) and/or operation(s).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Develop a program to assess and lessen the pollutant potential from city activities</td>
<td>Design a pollution reduction plan for city operations including snow and ice removal, lawn care and toxic material handling.</td>
<td>Require contractors to implement a Stormwater Pollution Prevention Plan for these operations or otherwise reduce potential pollution from snow and ice removal, lawn care, and toxic material handling.</td>
</tr>
<tr>
<td><strong>6.3 Conduct staff training.</strong></td>
<td>Provide educational opportunities to educate staff to ensure proficiency in minimizing stormwater pollution from daily operations.</td>
<td>The City of Westwood Hills contracts with the City of Westwood for public services. The City of Westwood Hills owns only one parcel of green space and its public right-of-way but has no vehicle fleet nor building maintenance department of its own. The City of Westwood Hills does contract with a landscaping service, and the company is instructed not to use toxic chemicals within the City.</td>
<td></td>
</tr>
<tr>
<td><strong>6.4 Annual Program Review</strong></td>
<td><strong>Annual Program Review:</strong> Assess applicability of BMPs for MCM6 in SMP. Assess Program and revise as required</td>
<td>Review and revise as necessary</td>
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<td>Although no revisions have been required during 2019, the City of Westwood Hills anticipates revisions to be made to the MCM5 BMPs in connection with the submission of the City’s new Stormwater Management Plan.</td>
<td></td>
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</table>
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.

<table>
<thead>
<tr>
<th>YES</th>
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- 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.

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________

_The City of Westwood Hills is not a Phase One Operator._

F. Recordkeeping and Reporting

_The permit for the City of Westwood Hills, Kansas, does not include any TMDL monitoring requirements._

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 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 ________________
(Legally responsible person)

Name Printed: Paula Schwach __________ Title Mayor of Westwood Hills, Kansas

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
B. Executive Summary

This Executive Summary briefly covers the major aspects of the Westwood Hills MS4 stormwater management program during 2019, by specifically addressing the questions below.

1. **Were there any aspects of the program that appeared especially effective at reducing pollutants in your stormwater discharge?**

   The City of Westwood Hills contracted with the City of Roeland Park for a fall leaf pick up. This clean up occurred on December 8, 2019. In addition, throughout the year, residents are reminded to clean up the leaves and debris in the street gutters in front of their homes. With regard to both the leaf pick up and gutter cleaning, residents have been cooperative in participating in these activities. Also, a few years ago, a dog waste bag dispenser and trash receptacle were installed on The Green, which is the City’s park. During 2019, more than 2,000 pet waste bags were dispensed from the pet waste bag dispenser installed on The Green and an estimated 300 lbs. of dog waste was disposed of properly so that this waste did not become part of the run-off water to the creek which runs through The Green. During 2018, the City engaged a contractor to perform substantial work on its stormwater system, replacing all the stormwater drop inlets and repairing sections of stormwater piping.

   Due to the nature of non-point source pollution, it is difficult to say that any aspect of the program was the most effective at reducing pollutants in stormwater runoff. However, we believe that our efforts under public education (MCM 1) and public participation (MCM 2) that were focused on responsible lawn care practices and anti-littering were very successful at reaching a broad number of residents with messaging that hopefully will encourage behavior change or, at the very least, increase awareness.

2. **Were there any aspects of the program that provided unsatisfactory results?**

   There were no aspects of the City of Westwood Hills program that provided unsatisfactory results. However, no City residents elected to participate in the BMP Cost Share program encouraging the planting of native trees and plants and the installation of rain gardens or permeable pavement. The City Council plans to provide additional information to residents of the availability of the BMP Cost Share program during 2020.

3. **What was the most successful part of the program?**

   The City of Westwood Hills was pleased with public compliance with properly disposing of any toxic or non-toxic materials so that the same would not flow into the sewer system or creek and with the City residents’ usage of the yard waste collection program and city-wide leaf pick-up. Additionally, residents are becoming more understanding about keeping street gutters and stormwater inlets clear of leaves and other debris.

   In November 2019, the City received an EPA Pisces Exceptional Project Award, recognizing it for excellence and innovation in connection with the City’s stormwater rehabilitation work and repairs made during 2018. The project included replacement of storm water drop inlets and repairs to some culverts, pipes, and curbs. The project was funded through a loan from the Kansas Water Pollution Control Revolving Fund.

   Public education and outreach efforts through the multiple approaches from the city, county, and regional levels were successful. 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. Additionally, the partnership with K-State Extension promotes water quality messaging where surveys indicate the public seeks information regarding their lawn and garden care, thus targeting a source for excess nutrients in urban streams.
4. **What was the most challenging aspect of the program?**

Time constraints and increasing costs continue to be key challenges. As a small city of the third class, the City of Westwood Hills has no full-time staff to engage in public education efforts, monitor compliance, and maintain records. Additionally, the City has a limited budget as the City has very little commercial property within its boundaries. A few years ago, the City confronted an expensive stormwater system collapse repair as well as some repairs necessitated by third party contractor intrusion into the underground stormwater pipes. During 2018, based upon an engineering assessment received during 2017, the City expended a substantial amount to replace its stormwater drop inlets and repair some stormwater pipes. In order to protect these substantial investments, the City also conducts annual ongoing investigation and maintenance activities to ensure the proper functioning of its stormwater system.

Finally, while the dog waste bag dispenser program has been a success, the ongoing cost of filling the bag dispenser has been surpassed original cost estimates.

The most challenging aspect of this program has always been drawing a correlation between activities in the Stormwater Management Plan to actual improvements in water quality. For example, Johnson County reached millions of people with regional, county, and city public education and outreach campaigns over the past several years, but there is no direct way to attribute this to actual pollutant reduction numbers.

5. **Describe any City/County area MS4 clean-ups and the participation.**

Through its newsletter, the City requested residents to keep the street gutters and storm inlets clear of leaves and debris. Also, the City held a city-wide leaf pick-up in December. Additionally, the City coordinates the Volunteer Committee/Garden Club to organize Volunteer Days to clean up and maintain the city park, The Green. There were no formal MS4 clean-ups or participation in the City of Westwood Hills.

6. **Describe the elected officials’ participation in the stormwater pollution elimination.**

The Mayor of the City of Westwood Hills and City Council members individually assist and coordinate everything from meeting with engineers and contractors with which the City contracts for stormwater piping repairs to publicizing the BMP Cost Share program so as to encourage the planting of native trees and plants to participating in Volunteer Days to clean up The Green (removal of dead branches, debris and leaves).

7. **Describe the collaboration with other organizations to eliminate stormwater pollution.**

The City of Westwood Hills partnered with the Johnson County Stormwater Management Program (JCSMP), which coordinated a cooperative approach for permitted Johnson County cities to help meet selected minimum control measures mandated in the NPDES Phase 2 MS4 permits. In particular, the JCSMP coordinates efforts for some of the best management practices (BMPs) for Minimum Control Measures (MCM) 1 and 2 but also assists with MSMs 3-6. The coordinated approach through this partnership has proved to be cost effective and reduces redundancy among the cities in Johnson County. Also, on behalf of Johnson County cities, JCSMP partners with Johnson County K-State Extension, Mid-America Regional Council Water Quality Education Committee, Bridging the Gap, Blue River Watershed Association, Friends of the Kaw, Olathe North High School, Stone Lion Puppet Theater, the city of Olathe Public Works (for Household Hazardous Waste Collection), the Johnson County Department of Health and Environment, and Johnson County Wastewater.

8. **If an audit/inspection of your MS4 program was conducted by EPA or KDHE during the year, list the items the audit/inspection report identified as required changes and provide a narrative explanation of how the changes were implemented or explain the plan to implement the changes and identify a target date for final implementation.**

No audits or inspections of the City’s MS4 program were conducted by EPA or KDHE during 2019.
Public Notice concerning Stormwater Permits

Click here for the Public Notice Concerning Kansas / Federal Water Pollution Control Permits and Applications.

Click here for the Public Notice and Draft Permit for the pending KS Water Pollution Control Permit and Authorization to Discharge under the National Pollutant Discharge Elimination System (NPDES).

Comments must be submitted, in writing, to KDHE by March 16, 2019. All comments regarding the draft documents or application notices received on or before March 16, 2019, will be considered in the formulation of final determinations regarding this public notice. Please refer to the appropriate Kansas document number (KS-AG-19-042/049, KS-Q-19-023/041, KS-EG-19-001/006) and name of the applicant/permittee when preparing comments.

The documents can also be found on the City's website at www.westwoodhills.org.
Public Notice concerning Stormwater Permits

Click here for the Public Notice and Draft Permit for the pending KS Water Pollution Control Permit and Authorization to Discharge under the National Pollutant Discharge Elimination System (NPDES).

Comments must be submitted, in writing, to KDHE by November 16, 2019. All comments regarding the draft documents or application notices received on or before November 16, 2019, will be considered in the formulation of final determinations regarding this public notice. Please refer to the appropriate Kansas document number (KS-AG-19-308/314, KS-AG-R-19-023, KS-Q-19-251/263) and name of the applicant/permittee when preparing comments.

The documents can also be found on the City's website at www.westwoodhills.org.
FOR IMMEDIATE RELEASE

(Lawrence, Kan., Nov. 20, 2019) - Two clean water and drinking water infrastructure projects in Kansas were recognized Nov. 18 by the U.S. Environmental Protection Agency (EPA) for excellence and innovation within the Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) programs. These exemplary projects showcase water quality improvements and public health protections that can be achieved when the federal government, states, municipalities and local utilities work together.

“The State Revolving Fund programs play a critical role in helping communities modernize aging infrastructure, create jobs, and protect public health and the environment,” said David Ross, assistant administrator for EPA’s Office of Water. “These projects are making vital water quality improvements in communities across the country.”

The State Revolving Funds (SRF) are EPA-state partnerships that provide communities with a permanent, independent source of low-cost financing for a wide range of water quality and drinking water infrastructure projects. EPA’s SRFs have provided more than $170 billion in financial assistance to over 39,900 water quality infrastructure projects and 14,500 drinking water projects across the country. This year’s honored projects include large wastewater infrastructure upgrades, community-driven green infrastructure development, and the construction of new water treatment plants. Several projects also include lead service line replacement, furthering EPA’s goals to protect human health under the Federal Lead Action Plan. All of these projects highlight outstanding achievements in water quality improvement that benefit Americans from coast to coast.

EPA’s Performance and Innovation in the SRF Creating Environmental Success (PISCES) program celebrates innovation demonstrated by CWSRF programs and assistance recipients. Each participating program nominated an innovative project that improved water quality; provided public health or economic benefits; and/or encouraged sustainability in the marketplace. Thirty projects by state or local governments, public utilities, and private entities were recognized by the 2019 PISCES program, including the following project in Kansas:

PISCES Recognition

- Kansas: Westwood Hills - Storm Sewer Restoration and Repair (PISCES Compendium, Page 8)
EPA’s inaugural AQUARIUS program recognition celebrates innovation, sustainability, and public health protection demonstrated by DWSRF programs and assistance recipients. Each participating state program nominated one project for this first-ever recognition. Nominated projects all had to complete construction within the last two years and be compliant with the Safe Drinking Water Act, along with providing financial integrity and public health benefits. Twenty-five projects by state or local governments and drinking water utilities were recognized by the 2019 AQUARIUS program, including the following project in Kansas:

**AQUARIUS Recognition**

- Kansas: Public Wholesale Water Supply District No. 27 - New Regional Public Water Supply System in Brown County (AQUARIUS Compendium, Page 12)

“The Clean Water and Drinking Water State Revolving Fund Programs are critical resources that give our state partners the resources they need to fund a range of water infrastructure projects that can best support their unique water quality needs,” said EPA Region 7 Administrator Jim Gulliford. “Today, we recognize the state of Kansas for their innovative commitment to advancing their water quality goals through the Westwood Hills and Public Wholesale Water Supply District No. 27 projects.”

“Investing in our nation’s water infrastructure through projects like these is not only good for the American economy, it’s essential to our quality of life,” he said.

###

To see the full list of 2019 PISCES-recognized projects or learn more about the program, visit: [https://www.epa.gov/cwsrf/pisces](https://www.epa.gov/cwsrf/pisces).

To learn more about the AQUARIUS Program or the full list of recognized projects, visit: [https://www.epa.gov/dwsrf/announcing-2019-aquarius-recognition-program](https://www.epa.gov/dwsrf/announcing-2019-aquarius-recognition-program).
Public Notice concerning Stormwater Permits

Click here for the Public Notice Concerning Kansas / Federal Water Pollution Control Permits and Applications, and the draft Permit for the pending KS Water Pollution Control Permit and Authorization to Discharge under the National Pollutant Discharge Elimination System (NPDES).

Comments must be submitted, in writing, to KDHE by September 7, 2019. All comments regarding the draft documents or application notices received on or before September 7, 2019, will be considered in the formulation of final determinations regarding this public notice. Please refer to the appropriate Kansas document number (KS-AG-19-255, KS-Q-19-180/187) and name of the applicant/permittee when preparing comments.

The documents can also be found on the City's website at www.westwoodhills.org.
Yard Waste Collection
Regular weekly collection resumed on April 1, 2019. Please remember that yard waste must be placed in biodegradable bags.

Spring Egg Hunt and Arbor Day Celebration
The Annual Arbor Day Celebration will take place on The Green, Saturday, April 20, 2019, at 10:00 am. Don't miss the chance to see the bunny and enjoy donuts, juice and coffee with your neighbors. There will also be an egg hunt for the children. Thank you to the Community Association for putting on this always fun and popular event.

In Memoriam
Don Burley, formerly of Westwood Hills, passed away on March 26, 2019. Don and his wife, Ardis, lived in Westwood Hills for many years, until they moved to assisted living.

K-State Research and Extension
K-State Research and Extension offers a gardening calendar and helpful gardening information. Find out more at: https://www.johnson.k-state.edu/lawn-garden/gardening-calendar/index.html

Be Kind to Water
Excerpt from article written by Dennis Patton, Kansas State University Research & Extension, originally published in The Kansas City Star.

How you mow your lawn is under your control. Proper mowing is the first step to a lawn that is the envy of the neighborhood.

Please don't blow clippings into the street. Grass clippings on hard surfaces wash into storm sewers and drain to the closest body of water. There they release phosphorus
and nitrogen as they decompose. The result is algae growth that looks unsightly and is costly to treat. Blow or sweep all clippings back into the lawn for a healthy water supply.

**Systematic Code Inspections**
The City will be doing city-wide systematic code inspections on June 24, 2019. All inspections will be done from the City ROW. Items the City will be looking at: gutters, roofs, trees, peeling paint, wood rot, etc. Please contact the City if you have any work in progress or work set to be done after the 24th. In addition, please reach out to the City if you are in need of help. There are volunteers who are willing to lend a helping hand.

Johnson County is encouraging its residents to sign up to NotifyJoCo by visiting notifyjoco.org or by calling 913 826 5555. This service will send out emergency notifications regarding a variety of events such as, but not limited to, severe weather and road closures. These notifications are not specific to Westwood Hills, but rather the general Johnson County Community.

There will not be an April Planning Commission Meeting.

**2019 Home Occupation Licenses**
If you operate a business from your home, please complete the Home Occupation License form and mail the completed application with a $25.00 check payable to the City of Westwood Hills. Home occupation licenses must be renewed annually.

**Construction**
If you are considering any work around your property, you may need a permit. Because the entire City is an historic district, all permits must go through the State for review and receive approval of the Kansas State Historic Preservation Office (SHPO) in order for the permit to be approved and issued by the City. Permit requests for work which impacts the exterior of your home, especially window and door repair and replacement projects, often receive more stringent SHPO review with a goal of maintaining the historic quality and characteristics of Westwood Hills properties. Although this additional approval by SHPO adds some time to the permit process, projects with costs in excess of $5,000 may be eligible for the Kansas State Historic Rehabilitation Tax Credit, which is equal to 25 percent of the qualifying expenses on a qualifying project. Check with the City Clerk at whclerk@gmail.com before starting any work.

**Pet Registration**
Please register your animals living in Westwood Hills. Please ensure that all your animals are always current on their proper vaccinations. If you need to register a pet now, please fill out the Pet Registration Form and return to Beth O’Bryan. Westwood Hills allows two cats and two dogs per residence.

**Stormwater Management Plan and Annual Report**
Click [here](mailto:whclerk@gmail.com) to read the City's Stormwater Management Plan, and [here](mailto:whclerk@gmail.com) to read the 2018 annual report. Citizens may send comments regarding the Stormwater Plan and Annual Report to whclerk@gmail.com.

**May Meetings**
The May regular City Council meeting will be held at 7:00 p.m. on Monday, May 13, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

The May Planning Commission meeting will be at 7:00 p.m. on Thursday, May 16, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

Both meetings are held at the Westwood City Hall - 4700 Rainbow Boulevard.

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**City Information**

City Clerk/Administrator: Beth O'Bryan  [whclerk@gmail.com](mailto:whclerk@gmail.com) - 913-262-6622
Mayor: Paula Schwach - [schwach3p@gmail.com](mailto:schwach3p@gmail.com)
City website: [www.westwoodhills.org](http://www.westwoodhills.org)

**City Council**

Mary Becker - Landscaping - [MXB37@psu.edu](mailto:MXB37@psu.edu)
Rosemary Podrebarac - Ordinances and Building - [rpodrebarac1@kc.rr.com](mailto:rpodrebarac1@kc.rr.com)
Karen Shelor Sexton - Public Safety - [kls@sextonandshelor.com](mailto:kls@sextonandshelor.com)
Ludwig Villasi - Public Works - [lvillasi@kc.rr.com](mailto:lvillasi@kc.rr.com)
John Weedman - Budget and Finance- [john@midwestbinding.com](mailto:john@midwestbinding.com)

Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
City of Westwood Hills  
August 2019 Newsletter

New to the City Council and BZA

Welcome Ed Gogol, who joined the City Council, replacing Mary Becker, and Daniel Swint who joins the BZA, replacing Ed Gogol.

August Yard of the Month (YOTM)

Congratulations to Patti and Mike Coffman for the August YOTM.
Only Rain Goes Down the Drain - with Your Help!

Stormwater runoff from impervious surfaces like roofs, driveways, patios, curbs, sidewalks, and streets is a leading cause of impairment to our shared water resources. Every level of government has policies and requirements related to managing stormwater as evidenced by other articles in this newsletter. Ultimately city government needs responsible citizens to partner with it to pay for stormwater systems themselves and to cooperate in the ongoing maintenance of the system. Maintenance includes keeping the curb in front of your home free from debris of all types: sticks, leaves, rocks, sweetgum balls, peeling bark from sycamore trees, dog droppings, and the paper cup that a driver pitched out the window. If you have a stormwater inlet in your curbing, your cooperation is even more vitally important because the system directs all water flows towards the inlets. Because of the power of water or a snow plow, you may find the content of your neighbor's curb at your own and headed towards clogging the opening of the inlet. Clogged and impacted inlets increase the likelihood of flash flooding during heavy rains. Please help us protect the tax-funded investment in our new stormwater inlets by keeping the curb in front of your home clean and keeping debris from clogging the inlet openings. Only rain will go down our stormwater drains if we all help.

Public Notice Concerning Stormwater Permits

Click here for the Public Notice Concerning Kansas / Federal Water Pollution Control Permits and Applications and the draft new Westwood Hills Permit for the pending KS Water Pollution Control Permit and Authorization to Discharge under the National Pollutant Discharge Elimination System (NPDES).

Comments must be submitted, in writing, to KDHE by September 7, 2019. All comments regarding the draft documents or application notices received on or before September 7, 2019, will be considered in the formulation of final determinations regarding this public notice. Please refer to the appropriate Kansas document number (KS-AG-19-255, KS-Q-19-180/187) and name of the applicant/permittee when preparing comments.
Community Paper Shredding & Electronics Recycling

On Saturday, September 21, 2019, the City of Westwood Hills will be participating in a paper shredding and eCycle event. The event will be held from 9:00 am to 12:00 pm at 4350 Shawnee Mission Parkway in Fairway, Kansas.

Proof of residency will be required to participate in this mostly free event. Click here for more information.

The City needs two volunteers to work from 8:15 a.m. to 12:15 p.m. Please contact the City Clerk if you are able to help out.

Johnson County Sewer Backup Program

Have the frequent and sizable recent rain events caused water related problems to the basement of your property? Johnson County Wastewater (JCW) has a program to help Johnson County residents better protect their homes during these rain events.

This program is voluntary and may provide funding to eligible home owners so that they may install a backup prevention device or make plumbing modifications on their property. JCW staff will investigate all calls to determine if water in the basement was due to a sanitary sewer back up or water from some other sources. Click HERE for more information about this program.

Bagworms

The following article was written by Dennis Patton, and printed in the Kansas City Star on June 28, 2019. Although insecticides may not be effective at this time of year, our landscaper and some residents have noticed bagworms on landscape plants within the City. So, you might want to be on alert for these pests.

Bagworms hatchlings could be feeding our your plants. Here's how to control the pests

It is one of the most easily identified insects found in our area — the bagworm. Bagworms are now munching their way through many landscape plants, and their favorites tend to be evergreens such as junipers, spruce and arborvitae. Because of the wide range of host material, give all landscape plants a quick glance to assess for damage. The young worm-like insects eat the foliage, resulting in an initial browning of the area. Under severe feeding, the plant will die.

Bagworms form a silken bag, mixed with plant parts, up to 3 inches long. Bagworms spend most of their lives attached to a branch or stem eating and never leaving the comfort of the bag. Only the males leave the bags to mate with the female, then they die, and the female lays eggs for next year’s hatch.

Bagworms over-winter in the egg stage in bags attached to the plant. The eggs hatch in late May through mid-June. The hatchlings are tiny at first, about the size of a sharpened pencil tip. They develop quickly, spinning a larger bag until mid to late summer. The bag is thick and about 2 to 3 inches in length. At that point the bagworms mate, eggs are laid, and the whole process starts over for next year.

Bagworm populations build up to damaging levels very quickly as each bag of eggs can produce more than 1,000 hungry little worms. Control bagworms after they hatch in the early summer. Just about any insecticide will kill the worms while they are small and the silken bag not highly formed. The larger the bag
becomes, the less effective the control. By late summer, chemical applications are worthless. At this stage, handpicking and destruction of the bags is recommended. This is a slow task that most people would prefer not to do.

There are many insecticides that are effective on bagworms at this time of year. Products to apply include spinosad, acephate, cyfluthrin or permethrin. An organic product called Bacillus thuringiensis is also effective. Thorough coverage of the plant is vital for full control.

Now is an excellent time to give your evergreen plants a close inspection for bagworms. I receive a number of calls each year from people attempting to identify this pest. They say something to the effect of, “they just appeared overnight.” But there are clues to their arrival. They can do a lot of damage in a short time, so identifying bagworms early is essential to their control.

Dennis Patton is a horticulture agent with Kansas State University Research and Extension. Got a question for him or other university extension experts? Email them to garden.help@jocogov.org.

There will not be an August Planning Commission Meeting.

Stormwater Management Plan and Annual Report

Click here to read the City’s Stormwater Management Plan, and here to read the 2018 annual report. Citizens may send comments regarding the Stormwater Plan and Annual Report to whclerk@gmail.com.

Diaper Awareness Week

HappyBottoms is the diaper bank for the Kansas City metropolitan area. Because diapers for babies are not covered by any assistance program like SNAP (food stamps), WIC, or Medicaid, HappyBottoms exists to provide diapers to babies throughout the metro.

Diapers for babies affect many things:
- Physical health of the baby or toddler
- Mental stress for parents
- Access to child care services (most require parents to bring their own diapers)
- Ability to attend school or work for the parents (many have to stay home if their child cannot enroll in child care)

From September 23 through September 29, 2019, the City of Westwood Hills is helping these families, babies, and HappyBottoms by declaring that week to be Diaper Need Awareness Week in Westwood Hills. Click here to view the proclamation.

More information can be found at their website at www.happybottoms.org.

BMP Cost Share Program

The City received a grant from the County to encourage residents to plant new trees and native plantings (on buffers/swales). We encourage residents to consider whether new native plantings would benefit their landscapes. Prior to any planting, the homeowner must submit an application to the City, describing the planting project. If a homeowner’s application is approved, the City will reimburse half the cost of a native tree, up to $150.00, half the cost up to $1,000 on native plantings and buffers/swales and rain gardens, and half the cost up to $1,000 for permeable pavement. All are limited to a maximum of one application per resident. However, homeowners may apply for an additional native tree after October 20, 2019, if funds remain. There is a limited amount
September Meetings

The September regular City Council meeting will be held at 7:00 p.m. on September 9, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

The Planning Commission meeting will be held at 7:00 p.m. on Thursday, September 19, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

Both meetings are held at Westwood City Hall - 4700 Rainbow Boulevard.

STAY CONNECTED

City Information
City Clerk/Administrator: Beth O'Bryan whclerk@gmail.com - 913-262-6622
Mayor: Paula Schwach - schwach3p@gmail.com
City website: www.westwoodhills.org

City Council
Ed Gogol - Landscaping - gogol.monday@gmail.com
Rosemary Podrebarac - Ordinances and Building - rpodrebarac1@kc.rr.com
Karen Shelor Sexton - Public Safety - kls@sextonandshelor.com
Ludwig Villasi - Public Works - lvillasi@kc.rr.com
John Weedman - Budget and Finance - john@midwestbinding.com

Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
The City of Westwood Hills wishes everyone a wonderful holiday season and a Happy New Year.

Michael Anfang was sworn in as a new City Council member at the December 9, 2019 meeting. Mayor Paula Schwach, along with Ed Gogol, Rosemary Podrebarac, Karen
Santa Claus Visits Westwood Hills

Despite the freezing temperatures and blustery wind, it was standing room only and a line out the door for Santa’s annual visit to Westwood Hills. The Dickens Carolers added a special charm to the event. Thanks to Sheri and John Weedman of Annedore’s Fine Chocolates for hosting our gathering, and thanks to our Community Association for sponsoring this wonderful occasion!
Snow Ordinance

Please remember not to park on the street during a snow storm and 24 hours after a 2 inch or greater snow so the plows can thoroughly clear the streets.

Violators will be ticketed, and any vehicle remaining on a street 2 hours following a snow accumulation of 2 inches or more may be towed from the street by the city at the expense of the owner of the vehicle.

Thank you for your cooperation in aiding the snow removal.

Westwood Hills Receives EPA Recognition for Excellence and Innovation

Congratulations to our City! In November, Westwood Hills received the PISCES Recognition from the EPA for the recent rehabilitation of the City’s 1920's stormwater collection system. The City received this national attention and recognition for its project involving the replacement of the stormwater drop inlets and the repair and upgrading of culverts, curbing and some stormwater pipes.

The Kansas Water Pollution Control Revolving Fund provided the funding for the project, and our project was that program’s first time funding for a storm sewer project.

Click here to read the full press release from EPA’s Region 7.

Sales Tax when Ordering Online

When shopping online or buying goods to be delivered to your home in Westwood Hills, be sure to choose your Westwood Hills address. There are many small cities in northeast Johnson County, and confusion over your specific city location can lead to the wrong sales tax rate being charged and paid.

All of Westwood Hills is in the 66205-zip code, but 66205 also includes several other northeast Johnson County cities. Each city has set its own city sales tax rate, which means there are five different city sales tax rates within 66205. These city sales tax rates are combined with the state of Kansas’ rate of 6.5% and Johnson County's rate of 1.475% to arrive at the total sales tax rate that you end up paying.

There are two reasons as to why this is important. First, Westwood Hills' city sales tax rate is 1%. Most of the time online retailers default
to "Mission" when you enter a zip code of 66205, and Mission's rate is 1.625%.

The second reason to look at which city's rate is being applied is that when retailers remit the sales taxes that they have collected to the Kansas Department of Revenue (KDOR), they list the cities for which they have collected taxes, and then the KDOR sends the appropriate amounts to those cities. This means that if you paid Mission sales tax on a purchase, not only did you pay more than necessary, but the money ends up going to Mission, not Westwood Hills.

We want to be charged the correct rate and have our money go to the correct city, where it is used to fix streets, pay police salaries, and support other public services.

You can look up sales tax rates by address from the Kansas Department of Revenue online tool here.

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**Construction and Other Vehicle Parking**

Please ask your contractors and other visitors to park only on the authorized side of the street. If you see any illegal parking on your street, please ask the driver to move, or call the non-emergency line for Westwood Police. Violators will be ticketed.

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There will not be a December Planning Commission Meeting.

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**Stormwater Management Plan and Annual Report**

Click here to read the City's Stormwater Management Plan, and here to read the 2018 annual report. Citizens may send comments regarding the Stormwater Plan and Annual Report to whclerk@gmail.com.

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**Only Rain Goes Down the Drain - with Your Help!**

Stormwater runoff from impervious surfaces like roofs, driveways, patios, curbs, sidewalks, and streets is a leading cause of impairment to our shared water resources. Every level of government has policies and requirements related to managing stormwater as evidenced by other articles in this newsletter. Ultimately city government needs responsible citizens to partner with it to pay for stormwater systems themselves and to cooperate in the ongoing maintenance of the system. Maintenance includes keeping the curb in front of your home free from debris of all types: sticks, leaves, rocks, sweetgum balls, peeling bark from sycamore trees, dog droppings, and the paper cup that a driver pitched out the window. If you have a stormwater inlet in your curbing, your cooperation is even more vitally important because the system directs all water flows towards the inlets. Because of the power of water or a snow plow, you may find the content of your neighbor's curb at your own and headed towards clogging the opening of the inlet. Clogged and impacted inlets increase the likelihood of flash flooding during heavy rains. Please help us protect the tax-funded investment in our new stormwater inlets by keeping the curb in front of your home clean and keeping debris from clogging the inlet openings. Only rain will go down our stormwater drains if we all help.
January Meetings

The January regular City Council meeting will be held at 7:00 p.m. on Monday, January 13, 2020. Please contact Beth O'Bryan if you have an item to place on the agenda.

The January Planning Commission meeting will be held at 7:00 p.m. on Thursday, January 16, 2020. Please contact Beth O'Bryan if you have an item to place on the agenda.

Both meetings are held at Westwood City Hall - 4700 Rainbow Boulevard.

STAY CONNECTED

City Information
City Clerk/Administrator: Beth O'Bryan whclerk@gmail.com - 913-262-6622
Mayor: Paula Schwach - schwach3p@gmail.com
City website: www.westwoodhills.org

City Council
Michael Anfang - Budget and Finance- anfang@rocketmail.com
Ed Gogol - Landscaping - gogol.monday@gmail.com
Rosemary Podrebarac - Ordinances and Building - rpodrebarac1@kc.rr.com
Karen Shelor Sexton - Public Safety - kls@sextonandshelor.com
Ludwig Villasi - Public Works - lvillasi@kc.rr.com

Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
Yard Waste Collection
Yard waste will only be collected on the second Monday during January, February and March (remaining date is March 11). Regular weekly collection will resume on April 1, 2019.

Please remember that yard waste must be placed in biodegradable bags.

Public Comment - Listening Forum
Please mark your calendars and join fellow residents to provide your input on the Quality of Our Community and Investment Goals for the City's Future Capital Improvements. Help set goals for our City and Community as we move into the next century of our City. The forum will be held from 10:30 a.m.-Noon, on Saturday, February 23, 2019, at the home of Mike Sexton and Karen Shelor Sexton, 4940 State Line Road. Water and cookies will be provided.

K-State Research and Extension
K-State Research and Extension offers a gardening calendar, and helpful gardening information. Find out more at: https://www.johnson.k-state.edu/lawn-garden/gardening-calendar/index.html

Animal Control Services
Beginning January 1, 2019, the Mission Police Department, through their new civilian Community Service Officer program, will be taking over responsibilities for animal control services for the cities of Fairway, Mission, Mission Woods, Roeland Park, Westwood, and Westwood Hills.

Northeast Animal Control Commission (NEACC) has been comprised of the noted member cities since 1983. NEACC was its own separate entity, but the day to day administrative function of NEACC has always been handled by the Mission Police Department and the City of Mission. For well over a year, the member cities conducted an evaluation to determine the best course of action moving forward. The decision was made to dissolve NEACC. The group consensus was that animal control services could be delivered more efficiently through this new program. There will be two Community Service Officers filling these new roles; the same number of full-time positions NEACC
had. Shortly after the first quarter of 2019, you will see a Mission Police Department truck driving down our streets to answer animal control calls for service.

As in the past, if you need animal control services, call Dispatch at 913-782-0720, and the Community Service Officers will be dispatched on a priority basis. As with any new program there may be some adjustments, but, given the long experience that Mission has with administering animal control services, we believe this new arrangement should serve us well.

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### Snow Ordinance

Please remember not to park on the street during a snow storm and 24 hours after a 2 inch or greater snow so the plows can thoroughly clear the streets.

Violators will be ticketed, and any vehicle remaining on a street 2 hours following a snow accumulation of 2 inches or more may be towed from the street by the city at the expense of the owner of the vehicle. Additionally, please be a good neighbor and shovel the public sidewalks in front of your residence to keep them clear from snow.

Thank you for your cooperation in aiding the snow removal.
There will not be a February Planning Commission Meeting.

2019 Home Occupation Licenses
If you operate a business from your home, please complete the [Home Occupation License form](https://ui.constantcontact.com/visualeditor/visual_editor_preview.jsp?agent.uid=1132111896335&format=html&print=true) and mail the completed application with a $25.00 check payable to the City of Westwood Hills. Home occupation licenses must be renewed annually.

Construction
If you are considering any work around your property, you may need a permit. Because the entire City is an historic district, all permits must go through the State for review and receive approval of the Kansas State Historic Preservation Office (SHPO) in order for the permit to be approved and issued by the City. Permit requests for work which impacts the exterior of your home, especially window and door repair and replacement projects, often receive more stringent SHPO review with a goal of maintaining the historic quality and characteristics of Westwood Hills properties. Although this additional approval by SHPO adds some time to the permit process, projects with costs in excess of $5,000 may be eligible for the Kansas State Historic Rehabilitation Tax Credit, which is equal to 25 percent of the qualifying expenses on a qualifying project. Check with the City Clerk at [whclerk@gmail.com](mailto:whclerk@gmail.com) before starting any work.

Pet Registration
Please register your animals living in Westwood Hills. Please ensure that all your animals are always current on their proper vaccinations. If you need to register a pet now, please fill out the [Pet Registration Form](https://ui.constantcontact.com/visualeditor/visual_editor_preview.jsp?agent.uid=1132111896335&format=html&print=true) and return to Beth O'Bryan. Westwood Hills allows two cats and two dogs per residence.

March Meetings
The March regular City Council meeting will be held at 7:00 p.m. on Monday, March 11, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

The February Planning Commission meeting will be at 7:00 p.m. on Thursday, March 21, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

Both meetings are held at the Westwood City Hall - 4700 Rainbow Boulevard.

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Legislative Coffee Session
A Legislative Coffee session will be held on Saturday, January 26th, at the Corinth Library (8100 Mission Road) from 10:00 a.m. to 11:30 a.m. Representatives and Senators with constituents in Johnson County will discuss the new legislative session, followed by a Q&A. Coffee and doughnuts will be provided. For more information Click Here.

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February Meetings
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Both meetings are held at the Westwood City Hall - 4700 Rainbow Boulevard.

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City of Westwood Hills, 2216 West 49th Street, Westwood Hills, KS 66205

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Try it free today
Residents John and Mary Becker are soon to relocate out of the City. Both John and Mary have made great impact in Westwood Hills. John is a part of the men’s book club. He has spent many hours volunteering with the Community Association and has had the important task of flipping burgers at the 4th of July picnics. Councilwoman Mary Becker has served one term as a Councilwoman for Westwood Hills with great honor, commitment, leadership and dedication to the City of Westwood Hills, Kansas. In addition to her service on the city council, Councilwoman Becker has served on the Gardening Committee for Westwood Hills, volunteering countless hours to improve The Green and other City spaces. Councilwoman Becker has served on the Community and Homes Association Board, planning events for the Annual Dinner, Fourth of July and Spring Egg Hunt. During her tenure on the council, Councilwoman Becker obtained a City Tree Assessment on The Green, at no cost to the City. The City will definitely miss their presence.

July Yard of the Month (YOTM)

Congratulations to Joletta and Tom Woolwine for the July YOTM.
In Memoriam - Ron Reuter

Previous resident and former City Attorney, Ron Reuter, passed away on Monday, July 1, 2019. Ron practiced law in Johnson County for 44 years and served as the City Attorney for Westwood Hills for 37 years. Our sympathy goes out to his family and friends.

Voter Registration Deadline

July 16, 2019, is the deadline to register to vote in the August primary elections. Residents can download the registration form here.

4th of July Parade
Grand Marshalls Hugh and Dorothy Brown  Longtime resident Dwayne Benton  A large parade crowd

Johnson County Sewer Backup Program

Have the frequent and sizable recent rain events caused water related problems to the basement of your property? Johnson County Wastewater (JCW) has a program to help Johnson County residents better protect their homes during these rain events.

This program is voluntary and may provide funding to eligible home owners so that they may install a backup prevention device or make plumbing modifications on their property. JCW staff will investigate all calls to determine if water in the basement was due to a sanitary sewer back up or water from some other sources. Click HERE for more information about this program.

There will not be a July Planning Commission Meeting.

K-State Research and Extension

K-State Research and Extension offers a gardening calendar and helpful gardening information. Find out more at: https://www.johnson.k-state.edu/lawn-garden/gardening-calendar/index.html

Johnson County Residents get one FREE soil test and a personal recommendation for your lawn or garden from a local university expert. Find out more at: https://www.johnson.k-state.edu/lawn-garden/soil-testing/index.html

Stormwater Management Plan and Annual Report

Click here to read the City’s Stormwater Management Plan, and here to read the 2018 annual report. Citizens may send comments regarding the Stormwater Plan and Annual Report to whclerk@gmail.com.

BMP Cost Share Program

The City received a grant from the County to encourage residents to plant new trees and native plantings (on buffers/swales). We encourage residents to consider whether new native plantings would benefit their landscapes. Prior to any planting, the homeowner must submit an application to the City, describing the planting project. If a homeowner’s
application is approved, the City will reimburse half the cost of a native tree, up to $150.00, half the cost up to $1,000 on native plantings and buffers/swales and rain gardens, and for half the cost up to $1,000 for permeable pavement. All are limited to a maximum of one application per resident. However, homeowners may apply for an additional native tree after October 20, 2019, if funds remain. There is a limited amount of money, and first come, first served. Projects requiring vegetation must be installed and completed by October 31, 2019 to promote establishment. Native tree planting will be allowed until November 30, 2019. Click here for the application.

August Meetings

The August regular City Council meeting will be held at 7:00 p.m. on Monday, August 12, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

The Planning Commission meeting will be held at 7:00 p.m. on Thursday, August 15, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

Both meetings are held at Westwood City Hall - 4700 Rainbow Boulevard.

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Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
# City of Westwood Hills
## June 2019 Newsletter

### 2020 Budget Hearing
The City will hold its 2020 budget hearing at 7:00 p.m. on Monday, July 8, 2019. The regular city council meeting will follow directly after the hearing. All citizens are encouraged to attend.

### Pollinator and Native Plant Workshop
The free workshop is scheduled for June 22, 2019 from 2:30-4:00 pm at Johnson County Library, Oak Park branch (9500 Bluejacket Dr.). The workshop has been organized by the League of Women Voters, and Bridging the Gap will present the workshop material. Click [here](#) to register.

### Fourth of July Celebration
Please join your friends and neighbors on Thursday, July 4th, at 11:00 AM for the 2019 Westwood Hills 4th of July parade and picnic celebration on The Green. This always fun event is sponsored by the Westwood Hills Community Association. The parade begins at 11 AM at the corner of 49th and Rainbow and will proceed to The Green. Children are encouraged to dress patriotically as well as to decorate their bikes, scooters, and pets and march in the parade. A tent, tables, and chairs will be set up on The Green. This year, the event will be catered by Gus Fried Chicken. Residents are encouraged to bring a "homemade" dessert (or just an appetite) to

### Fireworks Display
The annual Independence Day fireworks display will be held Wednesday, July 3, 2019, at St. Agnes Athletic Field. Fireworks will begin at 9:30 p.m. or dusk. Be sure to bring lawn chairs and blankets. Attendees are encouraged to walk to this event, as parking space is limited. The display is sponsored by the cities of Westwood Hills, Fairway, Mission Woods, Roeland Park & Westwood.
share. There will be a contest for the best homemade pie, cake and most patriotic dessert.
There will be an ice cream truck with treats, and the Dixie Doodlers will be there to entertain us.

**Systematic Code Inspections**

The City will be doing city-wide systematic code inspections on June 24, 2019. All inspections will be done from the City ROW. Items the City will be looking at: gutters, roofs, trees, peeling paint, wood rot, etc. Please contact the City if you have any work in progress or work set to be done after the 24th. In addition, please reach out to the City if you are in need of help. There are volunteers who are willing to lend a helping hand.

**May Yard of the Month (YOTM)**

Congratulations to Ashley and Jim Robertson for the May YOTM.

**June Yard of the Month (YOTM)**

Congratulations to Mary and John Becker for the June YOTM.
There will not be a June Planning Commission Meeting.

CFD2 Open House

Consolidated Fire District #2 is hosting an open house, Thursday, July 4, 2019 from 9am-noon. Click here for more information.

K-State Research and Extension

K-State Research and Extension offers a gardening calendar and helpful gardening information. Find out more at: https://www.johnson.k-state.edu/lawn-garden/gardening-calendar/index.html

Johnson County Residents get one FREE soil test and a personal recommendation for your lawn or garden from a local university expert. Find out more at: https://www.johnson.k-state.edu/lawn-garden/soil-testing/index.html

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additional native tree after October 20, 2019, if funds remain. There is a limited amount of money, and first come, first served. Projects requiring vegetation must be installed and completed by October 31, 2019 to promote establishment. Native tree planting will be allowed until November 30, 2019. Click here for the application.

July Meetings

The July regular City Council meeting will follow the 2020 budget hearing to be held at 7:00 p.m. on Monday, July 8, 2019. Please contact Beth O’Bryan if you have an item to place on the agenda.

The July Planning Commission meeting will be at 7:00 p.m. on Thursday, July 18, 2019. Please contact Beth O’Bryan if you have an item to place on the agenda.

Both meetings are held at Westwood City Hall - 4700 Rainbow Boulevard.

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Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
Leaf Pickup/Vacuum Removal

City-wide leaf collection will take place Sunday, December 8, 2019. The collection procedure is different than in prior years, and the leaves cannot be placed in the street. Please read the attached document for more information.
Leaf Pickup/Vacuum Removal

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City of Westwood Hills  
March 2019 Newsletter

Westwood Police Department Neighborhood Partnership

Video cameras are one of the better tools law enforcement has at their disposal for detecting and apprehending criminals. If a crime happens in front of your home or business we can ask for permission to use that footage as evidence for prosecution. Please click HERE for information and to register.

NotifyJoCo

Johnston County is encouraging its residents to sign up to NotifyJoCo by visiting notifyjoco.org or by calling 913 826 5555. This service will send out emergency notifications regarding a variety of events such as, but not limited to, severe weather and road closures. These notifications are not specific to Westwood Hills, but rather the general Johnson County Community.

Yard Waste Collection

Regular weekly collection will resume on April 1, 2019. Please remember that yard waste must be placed in biodegradable bags.

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K-State Research and Extension offers a gardening calendar, and helpful gardening information. Find out more at: https://www.johnson.k-state.edu/lawn-garden/gardening-calendar/index.html
RESCUE YOUR RECYCLING

Plastic bags and wraps can be recycled at drop-off locations, not in curbside bins. Please recycle only clean, dry plastic bags and wraps.

Images courtesy of plasticsrecycling.org

Sponsored By

Find a recycling location near you at jocogov.org/recycling101

Trees Tame Stormwater

Reduces water loss
Rains return to the land and do not create snow
Reduces flooding
Reduces erosion
Increases soil nutrients
Helps local wildlife
PREVENTS STORMWATER DAMAGE TO PROPERTY

Few Trees

Abundant Trees

See the .pdf version here.
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April Meetings
The April regular City Council meeting will be held at 7:00 p.m. on Monday, April 8, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

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City of Westwood Hills, 2216 West 49th Street, Westwood Hills, KS 66205

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City of Westwood Hills
May 2019 Newsletter

Street Repair Progress Update
The City of Westwood Hills continues the street repair project for the City's interior streets (every street except State Line Road and Rainbow Blvd.). There will be temporary unavoidable street closures during the repair process. Please know that the city is working to minimize the brief inconvenience. Residents will receive 24 hours notice of street via a door hanger. The City will be sending a more detailed email this weekend. Please read it carefully. It is very important that NO vehicles are on the street during the mill and UBAS processes.

Elections
Five City Council positions and the Mayor position will be elected on November 5, 2019 for the City of Westwood Hills. If you are interested in serving our city, you must file in person at the Johnson County Election Office (2101 E. Kansas City Road, Olathe, KS), by noon on Monday, June 3, 2019.

Budget Workshop
The City of Westwood Hills will hold the 2020 budget workshop on Saturday, May 18, 2019, from 9:30-11:30 a.m. The workshop will be held at the Higdon and Hale offices, 6310 Lamar Avenue, #110.

Please note that a formal budget hearing will occur later this summer. All citizens are welcome to attend both the workshop and the budget hearing.

Egg Hunt and Arbor Day Celebration!
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Be Kind to Water
Excerpt from article written by Dennis Patton, Kansas State University Research & Extension, originally published in The Kansas City Star.

How you mow your lawn is under your control. Proper mowing is the first step to a lawn that is the envy of the neighborhood.

Please don’t blow clippings into the street. Grass clippings on hard surfaces wash into storm sewers and drain to the closest body of water. There they release phosphorus and nitrogen as they decompose. The result is algae growth that looks unsightly and is costly to treat. Blow or sweep all clippings back into the lawn for a healthy water supply.

Systematic Code Inspections
The City will be doing city-wide systematic code inspections on June 24, 2019. All inspections will be done from the City ROW. Items the City will be looking at: gutters, roofs, trees, peeling paint, wood rot, etc. Please contact the City if you have any work in progress or work set to be done after the 24th. In addition, please reach out to the City if you are in need of help. There are volunteers who are willing to lend a helping hand.

Non-Discrimination Ordinance
After several months of effort and deliberation, the Westwood Hills City Council, on May 13, 2019, adopted a non-discrimination ordinance, Ordinance No. 276. The ordinance makes it a violation of our city ordinances to discriminate against individuals in employment, housing, and public accommodations based on race, color, religion, national origin, ancestry, sex, sexual orientation or gender identity, age, disability, marital status, familial status or military status. The goal of the council is to contribute to the creation of a diverse, welcoming community that promotes harmony and mutual respect. While the ordinance provides for civil penalties, it also allows the city to suspend or revoke city-issued business licenses, including rental property licenses, if a violation of employment or public accommodations or housing provisions of the ordinance is found.

There will not be a May Planning Commission Meeting.

2019 Home Occupation Licenses
If you operate a business from your home, please complete the Home Occupation License form and mail the completed application with a $25.00 check payable to the City of Westwood Hills. Home occupation licenses must be renewed annually.

Construction
If you are considering any work around your property, you may need a permit. Because the entire City is an historic district, all permits must go through the State for review and receive approval of the Kansas State Historic Preservation Office (SHPO) in order for the permit to be approved and issued by the City. Permit requests for work which impacts the exterior of your home, especially window and door repair and replacement projects, often receive more stringent SHPO review with a goal of maintaining the historic quality and characteristics of Westwood Hills properties. Although this additional approval by SHPO adds some time to the permit process, projects with costs in excess of $5,000 may be eligible for the Kansas State Historic Rehabilitation Tax Credit, which is equal to 25 percent of the qualifying expenses on a qualifying project.
Check with the City Clerk at whclerk@gmail.com before starting any work.
Pet Registration
Please register your animals living in Westwood Hills. Please ensure that all your animals are always current on their proper vaccinations. If you need to register a pet now, please fill out the [Pet Registration Form](#) and return to Beth O'Bryan. Westwood Hills allows two cats and two dogs per residence.

Stormwater Management Plan and Annual Report
Click [here](#) to read the City's Stormwater Management Plan, and [here](#) to read the 2018 annual report. Citizens may send comments regarding the Stormwater Plan and Annual Report to whclerk@gmail.com.

June Meetings
The June regular City Council meeting will be held at 7:00 p.m. on Monday, June 10, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

The June Planning Commission meeting will be at 7:00 p.m. on Thursday, June 20, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

Both meetings are held at the Westwood City Hall - 4700 Rainbow Boulevard.

STAY CONNECTED

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City Clerk/Administrator: Beth O'Bryan whclerk@gmail.com - 913-262-6622
Mayor: Paula Schwach - schwach3p@gmail.com
City website: www.westwoodhills.org

City Council
Mary Becker - Landscaping - MXB37@psu.edu
Rosemary Podrebarac - Ordinances and Building - rpodrebarac1@kc.rr.com
Karen Shelor Sexton - Public Safety - kls@sextonandshelor.com
Ludwig Villasi - Public Works - lvillasi@kc.rr.com
John Weedman - Budget and Finance - john@midwestbinding.com

Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
Thank you to John Weedman

The City thanks John Weedman for his service to the City. John was elected to the City Council in 2013. Since that time, he has been in charge of both Public Works and Budget and Finance. John has been instrumental in many of the City projects during his tenure, which include the stonework restoration and storm sewer and street repairs.

Welcome Michael Anfang

Michael Anfang joins the City Council and will be sworn in at the December meeting. Michael will fill John Weedman’s seat.

A Note from WWPD - PB&J Border War

We need backup! We have a PB&J Border War breaking out with KCKPD!

If you haven't heard, the Westwood Police department has entered into a friendly competition with the Kansas City, KS Police Department in providing assistance with food over winter break to about 950 elementary students. In conjunction with L3 (Love, Literacy and Life), the two departments are going to see how much PB&J they can raise. KCKPD will collect Peanut Butter; WWPD is collecting Jelly.

There are three ways to contribute: Until November 20th there will be a barrel at Westwood City Hall, and a barrel at the Westwood Walmart, or a check made out to
"WWPD Cares" can be dropped off at the Westwood Police Department, and we will purchase jelly.

The parents who received the food last year were polled, and PB&J was one of their requests for this year. It's a great program, and such an important part of the process is to involve the recipients to better meet their needs. Please consider joining our officers, fellow city employees and elected officials to see how much Jelly we can raise.

https://www.loveliteracylife.org/

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**Mayor's Tree Lighting Ceremony**

Join Santa and the Westwood Hills Community on Sunday, December 1, 2019 at 6:00 p.m. on The Green. This event is put on by the Westwood Hills Community Association. More details to follow.

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**Evergy's (formally KCP&L) Restoration Process**

Restoring power is complex. Learn how Evergy brings the community back online. Power sometimes returns in a different order than you’d expect. Evergy has a process in place to address critical needs first then the largest number of customers as quickly and safely as possible.

- As outage reports come in, troubleshooters and sometimes damage assessment crews are sent to investigate the outage cause. This is why you may see an Evergy vehicle come and leave your neighborhood without power being restored
- Crews then repair or replace equipment as needed, removing all hazards
- Many times, tree trimming crews must remove trees or tree limbs before power can be restored
- Following a major storm, sometimes it is a matter of completely rebuilding parts of the electrical system to restore services, which can take lots of coordination and many hours to complete

Evergy's goal is to restore power to the largest number of customers as quickly and safely as possible.

Residents should report outages (even if your neighbor has reported the outage) at [www.evergy.com/outages](http://www.evergy.com/outages) or 1-888-LIGHTKC (1-800-544-4852).

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**The City Needs Your Help!**

Does your curb look like this? If so, the City asks that you please clean your curb once a week this time of year. Leaves that enter the storm sewer can clog the pipes and impede the flow of water. Your downstream neighbors will thank you.
The City recently had the storm sewers inspected. The picture below shows how leaves entering the storm drains clog the system, impeding the flow of water. Your tax dollars are used to pay for cleaning out the pipes.

Construction and Other Vehicle Parking

Please ask your contractors and other visitors to park only on the authorized size of the street. If you see any illegal parking on your street, please ask the driver to move, or call the non-emergency line for Westwood Police. Violators will be ticketed.

Sales Tax when Ordering Online

When shopping online or buying goods to be delivered to your home in Westwood Hills, be sure to choose your Westwood Hills address. There are many small cities in northeast Johnson County, and confusion over your specific city location can lead to the wrong sales tax rate being charged and paid.

All of Westwood Hills is in the 66205-zip code, but 66205 also includes several other northeast Johnson County cities. Each city has set its own city sales tax rate, which means there are five different city sales tax rates within 66205. These city sales tax rates are combined with the state of Kansas' rate of 6.5% and Johnson County's rate of
1.475% to arrive at the total sales tax rate that you end up paying.

There are two reasons as to why this is important. First, Westwood Hills' city sales tax rate is 1%. Most of the time online retailers default to "Mission" when you enter a zip code of 66205, and Mission's rate is 1.625%.

The second reason to look at which city's rate is being applied is that when retailers remit the sales taxes that they have collected to the Kansas Department of Revenue (KDOR), they list the cities for which they have collected taxes, and then the KDOR sends the appropriate amounts to those cities. This means that if you paid Mission sales tax on a purchase, not only did you pay more than necessary, but the money ends up going to Mission, not Westwood Hills.

We want to be charged the correct rate and have our money go to the correct city, where it is used to fix streets, pay police salaries, and support other public services.

You can look up sales tax rates by address from the Kansas Department of Revenue online tool [here](#).

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**City Wide Leaf Collection**

City Wide leaf collection will take place Sunday, December 8, 2019. More details to follow.

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**In Memoriam - Jim Berg**

Jim Berg, formerly of Westwood Hills, passed away on October 20, 2019. Jim and his wife Becky were longtime residents of Westwood Hills and relocated to Manzanita, Oregon, about six years ago.

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**There will not be a November Planning Commission Meeting.**

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**Stormwater Management Plan and Annual Report**

Click [here](#) to read the City's Stormwater Management Plan, and [here](#) to read the 2018 annual report. Citizens may send comments regarding the Stormwater Plan and Annual Report to whclerk@gmail.com.

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**Only Rain Goes Down the Drain - with Your Help!**

Stormwater runoff from impervious surfaces like roofs, driveways, patios, curbs, sidewalks, and streets is a leading cause of impairment to our shared water resources. Every level of government has policies and requirements related to managing stormwater as evidenced by other articles in this newsletter. Ultimately city government needs responsible citizens to partner with it to pay for stormwater systems themselves and to cooperate in the ongoing maintenance of the system. Maintenance includes keeping the curb in front of your home free from debris of all types: sticks, leaves, rocks, sweetgum balls, peeling bark from sycamore trees, dog droppings, and the paper cup that a driver pitched out the window. If we all do our part, our waterways will benefit.
you have a stormwater inlet in your curbing, your cooperation is even more vitally important because the system directs all water flows towards the inlets. Because of the power of water or a snow plow, you may find the content of your neighbor's curb at your own and headed towards clogging the opening of the inlet. Clogged and impacted inlets increase the likelihood of flash flooding during heavy rains. Please help us protect the tax-funded investment in our new stormwater inlets by keeping the curb in front of your home clean and keeping debris from clogging the inlet openings. Only rain will go down our stormwater drains if we all help.

**December Meetings**

The December regular City Council meeting will be held at 7:00 p.m. on Monday, December 9, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

The December Planning Commission meeting will be held at 7:00 p.m. on Thursday, December 19, 2019. Please contact Beth O'Bryan if you have an item to place on the agenda.

Both meetings are held at Westwood City Hall - 4700 Rainbow Boulevard.

**STAY CONNECTED**

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Rosemary Podrebarac - Ordinances and Building - rpodrebarac1@kc.rr.com
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Ludwig Villasi - Public Works - lvillasi@kc.rr.com
John Weedman - Budget and Finance-john@midwestbinding.com

Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
City of Westwood Hills
October 2019 Newsletter

Happy Halloween!

Just a reminder that our city streets will be temporarily closed on Halloween evening to allow for safe and fun trick-or-treating. Barricades will be in place at both Rainbow and State Line on all streets, exclusive of 50th Terrace, and inclusive of the shops parking lot, on Halloween evening from 6:00 pm to 8:30 pm, and Westwood Police will be on hand and "armed" with candy for the kids. Have a safe and fun Halloween!

A Message from The Chief of Police

Halloween is a special time of year in Westwood Hills. The City, in cooperation with the Westwood Police Department, always strives to make trick or treating a safe and happy activity for both residents and non-residents. We will continue to close most of our streets to car traffic at 6:00 p.m. and do our best to make sure that pedestrians are safe.

We are asking residents once again to observe a uniform time to end trick or treating at 8:00 p.m., at which time the street barricades will be removed. Certainly, we cannot mandate that individual residents comply with this time-frame, but we would like your help in giving it a try. We think, as people are entering the city, if we can give them an ending time in advance, they might be able to plan their route a little more efficiently. At the end of the night, we won’t have quite as many people standing around wondering whether or not they should continue trick-or-treating.

We appreciate your help and consideration of this matter. If you have any questions, please feel free to reach out to us or any member of your City Council.

Construction and Other Vehicle Parking

Please ask your contractors and other visitors to park only on the authorized size of
the street. If you see any illegal parking on your street, please ask the driver to move or call the non-emergency line for Westwood Police. Violators will be ticketed.

Sales Tax when Ordering Online

When shopping online or buying goods to be delivered to your home in Westwood Hills, be sure to choose your Westwood Hills address. There are many small cities in northeast Johnson County, and confusion over your specific city location can lead to the wrong sales tax rate being charged and paid.

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We want to be charged the correct rate and have our money go to the correct city, where it is used to fix streets, pay police salaries, and support other public services.

You can look up sales tax rates by address from the Kansas Department of Revenue online tool [here](https://sos.ks.gov/).
City Wide Leaf Collection

City Wide leaf collection will take place Sunday, December 8, 2019. More details to follow.

October Yard of the Month (YOTM)

Congratulations to Sherrill Mulhern for the October YOTM.
Leaf Blowers

Did you know??
- Gas powered leaf blowers emit as much pollution in one hour as driving a 2016 Toyota Camry 1100 miles
- More than 170 US cities in 31 states have enacted some kind of leaf blower restrictions
- Using a commercial grade, gas-powered leaf blower for only two hours can cause hearing damage

(Above statistics from an article published on October 24, 2018, by Green Energy Times. Click [here](#) for the entire article).

Fall is here, and falling leaves are soon expected. Each year the city hears concerns from residents about the noise from gas-powered leaf blowers, as well as the smog emissions resulting from use of gas-powered leaf blowers. Please be considerate to your neighbors and consider minimizing the air pollution and noise intrusion on others as you gather those leaves from your yard.

Community Paper Shredding & Electronics Recycling Results

During the September 21st Recycling Event, the Cities of Fairway, Mission, Mission Hills, Mission Woods, Roeland Park, Westwood and Westwood Hills shredded and recycled 26,100 pounds of paper and saved 221 mature trees from destruction.

The Cities also recycled and kept 9,286 pounds of computer electronics out of the landfill.

There will not be an October Planning Commission Meeting.
Stormwater Management Plan and Annual Report

Click here to read the City’s Stormwater Management Plan, and here to read the 2018 annual report. Citizens may send comments regarding the Stormwater Plan and Annual Report to whclerk@gmail.com.

BMP Cost Share Program - Last Call

The City received a grant from the County to encourage residents to plant new trees and native plantings (on buffers/swales). We encourage residents to consider whether new native plantings would benefit their landscapes. Prior to any planting, the homeowner must submit an application to the City, describing the planting project. If a homeowner’s application is approved, the City will reimburse half the cost of a native tree, up to $150.00, half the cost up to $1,000 on native plantings and buffers/swales and rain gardens, and half the cost up to $1,000 for permeable pavement. All are limited to a maximum of one application per resident. However, homeowners may apply for an additional native tree after October 20, 2019, if funds remain. There is a limited amount of money, and first come, first served. Projects requiring vegetation must be installed and completed by October 31, 2019 to promote establishment. Native tree planting will be allowed until November 30, 2019. Click here for the application.

November Meetings

The November regular City Council meeting will be held at 7:00 p.m. on Monday, November 11, 2019. Please contact Beth O’Bryan if you have an item to place on the agenda.

The November Planning Commission meeting will be held at 7:00 p.m. on Thursday, November 21, 2019. Please contact Beth O’Bryan if you have an item to place on the agenda.

Both meetings are held at Westwood City Hall - 4700 Rainbow Boulevard.

STAY CONNECTED

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Ludwig Villasi - Public Works - lvillasi@kc.rr.com
John Weedman - Budget and Finance- john@midwestbinding.com

Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
Dear Colleagues,

2019 marks the third year we recognize the great work of the Clean Water State Revolving Fund (CWSRF) assistance recipients and state programs through the Performance and Innovation in the SRF Creating Environmental Success (PISCES) program. Since its inception, the CWSRF has provided affordable financing for water infrastructure projects that protect public health and the environment. This Compendium highlights CWSRF projects that demonstrate performance in innovation; sustainability; and/or water quality, public health, or economic benefits.

Over the past 31 years, the CWSRF programs have provided more than $138 billion in financing for water quality infrastructure. The projects recognized here celebrate the success the program has achieved across the nation. They underscore the flexibility of the CWSRF for meeting the water quality needs of communities and cover a wide range of eligibilities and project types – from large wastewater infrastructure projects to small decentralized and agriculture projects. Some projects even integrate community involvement and public amenities through grassroots development.

I want to express my appreciation to all of the assistance recipients recognized in this compendium for their contributions to improved wastewater infrastructure. I commend your dedication to providing water quality benefits for our communities. I hope that everyone will enjoy learning about this year’s set of PISCES projects and that they will inspire creativity in how the CWSRF can be utilized to meet the diverse water quality needs of our communities. Thank you.

Sincerely,

Andrew Sawyers, Ph.D., Director
Office of Wastewater Management
The Clean Water State Revolving Fund’s Performance and Innovation in the SRF Creating Environmental Success (PISCES) program recognizes exceptional projects funded by the CWSRF at the national level. Each participating state program nominated one project that demonstrated one or more of the following evaluation criteria:

- Water Quality, Public Health, or Economic Benefits
- Sustainability
- Innovation

Eligible projects could be any size and must have an executed assistance agreement. Projects could be operational or in the planning phase. After all project nominations were reviewed and accepted for this year’s recognition, at least one project in each EPA Region was selected to receive the Exceptional Project recognition based on meeting the evaluation criteria. The remaining nominated PISCES projects were selected to receive the Honorable Mention recognition.
Recognized Projects are located in the states shown in blue. Exceptional Projects are outlined in orange.
### Exceptional Recognition

<table>
<thead>
<tr>
<th>State</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona</td>
<td>Adonis Sewer Connection to Town of Marana</td>
</tr>
<tr>
<td>Idaho</td>
<td>Boise Public School District Lead Remediation</td>
</tr>
<tr>
<td>Indiana</td>
<td>Stormwater and Deicing Capacity Project</td>
</tr>
<tr>
<td>Kansas</td>
<td>Storm Sewer Restoration and Repair</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Bioenergy Recovery Project</td>
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<tr>
<td>New Hampshire</td>
<td>Town of Newmarket Wastewater Treatment Facility Upgrade</td>
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<tr>
<td>New Jersey</td>
<td>Jersey City Municipal Utilities Authority Green Infrastructure Project</td>
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<tr>
<td>New Mexico</td>
<td>Peralta Regional Sanitary Sewer Project</td>
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<tr>
<td>Pennsylvania</td>
<td>Lyme PA Headwaters/Sterling Run Conservation and Restoration</td>
</tr>
<tr>
<td>South Carolina</td>
<td>Timmonsville System Adoption by the City of Florence Project</td>
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<tr>
<td>South Dakota</td>
<td>Dell Rapids Wastewater Treatment Facility</td>
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<tr>
<td>Virginia</td>
<td>Living Shorelines Resiliency Loan Program</td>
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<tr>
<td>Wisconsin</td>
<td>Pumping Station Rehabilitation</td>
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</tbody>
</table>

### Honorable Mention Recognition

<table>
<thead>
<tr>
<th>State</th>
<th>Project Description</th>
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<tbody>
<tr>
<td>Alaska</td>
<td>Scow Bay Pump Station 1 Upgrade</td>
</tr>
<tr>
<td>Alabama</td>
<td>Hanceville WWTP Solar Energy System</td>
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<tr>
<td>Delaware</td>
<td>Ocean Outfall and WWTP Upgrade</td>
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<tr>
<td>Florida</td>
<td>Biosolids Energy Efficiency Project</td>
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<tr>
<td>Illinois</td>
<td>West Washington Street Stormwater Improvements</td>
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<tr>
<td>Kentucky</td>
<td>West Hickman WWTP Wet Weather Storage and Headworks</td>
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<tr>
<td>Louisiana</td>
<td>Wastewater System Consolidation</td>
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<td>Maryland</td>
<td>Conocochegue WWTP Enhanced Nutrient Removal</td>
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<tr>
<td>Michigan</td>
<td>Pontiac WWTF: Biosolids, Dewatering/Storage, &amp; Septage Receiving</td>
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<tr>
<td>Minnesota</td>
<td>St. Cloud Nutrient and Energy Recovery Project</td>
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<td>Montana</td>
<td>Havre Wastewater System Improvements</td>
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<tr>
<td>Ohio</td>
<td>Wastewater Treatment Plant Upgrades</td>
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<tr>
<td>Oklahoma</td>
<td>City of Elk City Downtown Streetscape Project</td>
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<tr>
<td>Rhode Island</td>
<td>Block Island Landfill Slope Repair Project</td>
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<tr>
<td>Tennessee</td>
<td>Water Reclamation Facility Modifications &amp; Expansion</td>
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<tr>
<td>Washington</td>
<td>Oak Harbor Clean Water Facility Project</td>
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<tr>
<td>West Virginia</td>
<td>Morgantown Wastewater Treatment Facility Upgrade</td>
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</tbody>
</table>
The Adonis Mobile Home Subdivision Association (MHSA), a historic neighborhood in the Town of Marana, has two facultative lagoons that have been operating over capacity, which could potentially contaminate the aquifer. These lagoons were located within a Federal Emergency Management Administration (FEMA)-designated floodplain along the Santa Cruz River and were a significant human health and environmental concern. MHSA is a private entity with a population of 441 that consists of low and moderate-income homeowners. The Water Infrastructure Finance Authority of Arizona (WIFA) provided a loan for approximately $1.5 million to the Town of Marana to take over MHSA’s wastewater conveyance system. A lift station was constructed to convey the neighborhood’s sewage north to the Marana municipal sewer collection system, and WIFA approved 50% in principal forgiveness, or nearly $750,000, making the loan more affordable to residents.

The project qualifies as a water efficiency project because the total flow from the Town’s Water Reclamation Facility, including the effluent from Adonis Mobile Home Park, is treated to Class A+ reclaimed water standards and discharged to the aquifer at the Marana Water Reclamation Facility. Other financing entities were unable to assist this needed project, but the CWSRF made it possible to solve an aquifer contamination issue and avert a possible impact to the Santa Cruz River.
**PISCES Exceptional Project: Idaho**

**Program:** Idaho’s Department of Environmental Quality

**Assistance Recipient:** Boise Public School District

**Project Title:** Boise Public School District Lead Remediation

---

The Boise School District (BSD) tested drinking water sources from its schools built before 1986 and found that 20 schools required remediation for lead exposure. Resolving this concern and removing the sources of lead contamination required a fast response, but in Idaho, a bond passage is required for any municipal long-term debt that significantly extends the period necessary to begin capital projects. The Idaho SRF provided BSD with a 100% principal forgiveness loan of $500,000, and with the entire loan forgiven, time-consuming loan underwriting was not required and BSD quickly remediated the lead exposure.

The source of lead contamination at these schools originated from old lead faucets, so the school initially flushed water lines daily to reduce lead exposure. Idaho’s SRF program issued a proactive categorical exclusion for the entire class of lead remediation activities since old fixtures were replaced with like-kind new lead-free parts. The project is eligible for CWSRF financing because it provides a water efficiency benefit to the public water system. This project replaced 1,597 faucets with new water-efficient fixtures which eliminated the required daily flushing and is estimated to save over 1.7 million gallons of water a year. This creative project reduced lead exposure in drinking water for students while conserving water which provided many benefits for BSD.
Program: Indiana State Revolving Fund Loan Program

Assistance Recipient: Indianapolis Airport Authority

Project Title: Stormwater and Deicing Capacity Project

The Indianapolis Airport Authority (IAA) collaborated with the Indiana SRF to fund the construction of a stormwater improvement project that enhances water quality treatment at the Indianapolis International Airport, the principal airport serving Indianapolis and central Indiana. A $30 million loan was used to install new stormwater and deicing runoff infrastructure to accommodate the expansion of impervious surface area for air carrier operations. Infrastructure improvements across three locations will include: demolition of an undersized facility, construction of multiple storage structures, construction of diameter storm sewers, construction of pump stations, and more.

This project manages stormwater by directing runoff to areas capable of accepting the flow. By sampling and monitoring at different locations, the IAA can discharge runoff to designated outfalls in accordance with their NPDES permit, without the need for treatment at the nearby wastewater treatment plant. Though flows may be conveyed to the plant for treatment when necessary due to chemicals used in deicing, this strategy will minimize unnecessary treatment, save energy and money, and increase efficiency.
PISCES EXCEPTIONAL PROJECT: KANSAS

Program: Kansas Water Pollution Control Revolving Fund

Assistance Recipient: Westwood Hills

Project Title: Storm Sewer Restoration and Repair

The Kansas Water Pollution Control Revolving Fund funded a storm sewer project that rehabilitated a 1920s collection system in the City of Westwood Hills. This was the program's first time funding a storm sewer project, and upgrades were made to reduce erosion around culverts, curb inlets, junction boxes, and storm sewer pipes. Repairs were also made to broken curb inlets, curb inlet throats and tops, and culverts with structural issues.

This incorporated community located in the greater Kansas City metropolitan area has a population of around 400, and the community’s general fund only finances two services: street transportation and drainage services. Additional funds for sewer repairs were needed, so a new revenue stream for this project was generated by increasing property taxes to cover the cost of the project. This creative funding solution produced an additional $23,700 per year ($141.90 per household per year), which fully covers loan repayments and allows this community to address much-needed stormwater infrastructure improvements.
The City of Raleigh is transforming a waste product from its wastewater recovery facility into fuel for their natural gas bus fleet. The City received a $50 million Green Project Reserve loan for the Bioenergy Recovery Project (BRP), which will allow them to sustainably manage biosolids generated at the City’s Neuse River Resource Recovery Facility. The bioenergy facility’s innovative thermal hydrolysis pretreatment and mesophilic anaerobic digestion process increases biogas production and produces a high-quality Class A biosolids product.

The process will reduce the volume of biosolids produced at the plant by 48%, significantly reducing hauling and disposal costs as well as associated emissions. Captured biogas at the BRP is used as fuel for the City's natural gas bus fleet. To maximize the benefit of the BRP, the City’s Transportation Department constructed a compressed natural gas fueling station and purchased 40 compressed natural gas busses with the assistance of the Federal Transit Administration Grant funding program. The fueling station will utilize all the natural gas generated at the bioenergy facility.
PISCES EXCEPTIONAL PROJECT: NEW HAMPSHIRE

Program: New Hampshire Department of Environmental Services

Assistance Recipient: Town of Newmarket

Project Title: Town of Newmarket Wastewater Treatment Facility Upgrade

The Town of Newmarket received $14.1 million in CWSRF funds, with $1.7 million provided in principal forgiveness, to upgrade their wastewater treatment plant. The upgrade included the conversion of a trickling filter process to a new 4-Stage Bardenpho process for nitrification and denitrification, putting Newmarket in a position to meet total nitrogen effluent limits and improve water quality in the Lamprey River and Great Bay watersheds. The upgrade also improved energy efficiency through the installation of hybrid aeration blowers and low-speed dewatering technology. Not only will Newmarket save money on their energy bill, they also received monetary incentives through a partnership with their energy provider.

Newmarket received significant cost savings by financing the project through both the CWSRF and U.S. Department of Agriculture (USDA) Rural Development. The Town's efforts to maximize performance and minimize energy consumption, combined with their active participation in collaborative watershed partnerships, shows an exemplary commitment to improving water quality in the Great Bay Estuary in order to protect this national treasure.
**PISCES Exceptional Project: New Jersey**

**Program:** New Jersey Department of Environmental Protection  

**Assistance Recipient:** Jersey City Municipal Utilities Authority  

**Project Title:** Jersey City Municipal Utilities Authority Green Infrastructure

The Jersey City Municipal Utilities Authority (JCMUA) received a $6.6 million loan with $1.3 million in principal forgiveness to implement a green infrastructure (GI) project designed to reduce flooding and increase resiliency to potential extreme weather events and sea level rise. Students at the Jersey City Public School No. 5 approached their science teacher after noticing that the area in front of their school flooded on a regular basis. The teacher reached out to the Rutgers Cooperative Extension Water Resources program (Rutgers CoopX) about conducting a GI evaluation at the school. In the meantime, the students calculated rainfall and analyzed how much GI would be necessary to solve the flooding issues. Rutgers CoopX then validated the data compiled by the students.

The students recognized that their school wasn't the only area in Jersey City that flooded and pitched their plans to the City Council, which led to the development of a project at their school and at the JCMUA Administrative Building to intercept, treat, and filter stormwater runoff. Best management practices were installed that included replacing impermeable pavement with porous and permeable surfaces, relocating trees at the school, and planting rain gardens at the Administrative Building. This project demonstrates how community action and strategic planning enabled the JCMUA to invest in state-of-the-art resiliency measures to benefit their community for years to come.
The small Town of Peralta had no wastewater collection or treatment system, and individual homes were using aging septic systems that were not properly maintained. Many shallow domestic wells were densely located among these septic systems, which created a risk of high drinking water contamination. To begin planning and design for their sewer system, Peralta entered into a Memorandum of Understanding with the neighboring Town of Bosque Farms to allow Peralta to connect to their sewer system and wastewater treatment plant (WWTP), as Bosque Farms had the capacity to treat additional flow.

A traditional gravity sewer collection system with sewer lift stations would not work due to the shallow groundwater depth and narrow right-of-ways, so the new regional sanitary sewer collection system will use a low-pressure grinder pump system. This low-pressure system will allow two six-inch diameter collection lines to be installed at a constant depth of three to four feet below finished grade. This intermunicipal agreement demonstrates cooperative planning to address significant public health concerns for local community members. This project was financed with a $3 million loan from the New Mexico Environment Department.
Program: PENNVEST

Assistance Recipient: Lyme Emporium Highlands II LLC

Project Title: Lyme PA Headwaters/Sterling Run Conservation and Restoration

The Lyme Timber Company LP (Lyme) is a private timberland investment management organization that specializes in structuring working forest conservation easements that restrict or eliminate property subdivision and allow for public recreation. In 2018, Lyme applied to PENNVEST for funding to assist in the purchase of 63,500 acres of forestland. The funding consisted of a $50 million loan at a 1% interest rate and a 20-year term with an interest-only payment for up to five years and 15 years of repayment. With this loan, Lyme put a working forest conservation easement on 9,500 acres which will later be granted to the Pennsylvania Department of Conservation and Natural Resources with an approximate value of $8 million. By following a sustainable timber management plan, revenues from timber harvests will finance the repayments for this loan. The agreement also grants the Commonwealth the right to purchase conservation easements on an additional 50,700 acres for a period of seven years.

This project protects a drinking water supply for 12,500 nearby residents and has created over 100 quality jobs in the forest industry. Additionally, $750,000 will go towards acid mine drainage remediation work on three sites. This innovative project provides for enhanced stream protection, public recreation and access, and ensures that the property remains forested and sustainably managed in perpetuity.
PISCES Exceptional Project: South Carolina

Program: South Carolina Department of Health and Environmental Control

Assistance Recipient: City of Florence

Project Title: Timmonsville System Adoption by the City of Florence Project

The Town of Timmonsville’s thousand-customer system, which provides wastewater and drinking water services, was not being properly operated or maintained. Sewage frequently escaped from manholes and the primary facultative treatment and secondary aerated treatment systems failed to meet effluent discharge limits. To address these issues, Timmonsville formed a partnership with the City of Florence where Florence took over the Town’s system to restore its viability. Florence’s interest was to stabilize the Timmonsville community, restore environmental quality, and support local business and residences.

Florence secured funding for the system improvements through a combination of city system revenues and three CWSRF loans totaling $8.5 million, with $1 million in principal forgiveness. CWSRF funded projects included: repairs and upgrades to the wastewater treatment plant; rehabilitation of sewer lines, manholes and pump stations; and installation of new sewer lines. These upgrades were accomplished while maintaining existing rate structures for both Florence and Timmonsville. This project is a great example of regulatory agencies, municipalities, and stakeholders coming together to solve a problem through the implementation of long-term solutions and cooperative finance programs.
PISCES Exceptional Project: South Dakota

Program: South Dakota Water and Waste Funding Program

Assistance Recipient: City of Dell Rapids

Project Title: Dell Rapids Wastewater Treatment Facility

The City of Dell Rapids has a population of approximately 4,000 people and has been experiencing a 2% growth rate in recent years. To meet growing capacity needs and future permit conditions, the CWSRF funded nearly half of a $5.8 million expansion and upgrade project for the City’s WWTP. The facility is located near the Big Sioux River and the Dells of the Sioux River, which present physical design constraints. The bedrock obstructed new construction and made it difficult to access additional potable water. Based on the land availability, operational flexibility, expandability, design life, and capital costs the city constructed a sequencing batch reactor treatment system, new inlet works building, an on-site surge watering tank, and an ultraviolet disinfection system. To minimize the startup time needed to achieve adequate effluent levels, the City obtained free seed sludge and placed it in the sequencing batch reactor to accelerate the treatment process. This allowed limits to be met only 14 days after starting to accept raw sewerage. This new and reliable system reduces odors and produces cleaner effluent than the former lagoon systems.
Program: Virginia Department of Environmental Quality

Assistance Recipient: Middle Peninsula Planning District Commission

Project Title: Living Shorelines Resiliency Loan Program

The Middle Peninsula Planning District Commission (MPPDC) has created a Living Shoreline Revolving Loan Program for homeowners within their district. Known as the Shoreline Resiliency Program, the program will provide an innovative, long-term source of low-interest financing that establishes living shorelines to protect or improve water quality and prevent the pollution of state waters. All loans greater than $3,000 are secured with a deed of trust granted to the MPPDC, and grants may be made for projects that help protect high erosion shorelines. The first loan for $250,000 in 2017 resulted in the installation of five projects ranging in cost from $14,133 to $182,867. The second loan was issued in 2019 for the same amount. This program received so much interest from small businesses within the district that the Virginia General Assembly expanded eligible applicants to include bed and breakfast operations, campgrounds, restaurants, and businesses that use working waterfronts. Living shorelines not only preserve and provide habitat for coastal plants and animals, but also provide aesthetic benefits to landowners and the public.
The Madison Metropolitan Sewerage District (MMSD) began a major rehabilitation project in 2016 of Pumping Station 15 due to its age and anticipated nearby land development. This regional pumping station is located between a boat ramp and a heavily used bike path in Marshall Park. The project’s structural and mechanical engineering costs included installation of a photovoltaic cell array on the roof, new high efficiency pumps, variable frequency drives, and two separated electrical feeds. These upgrades make the pump station more resilient against extreme weather events. The station conveys an average of 1.32 million gallons of wastewater per day with capacity up to 8.8 million gallons per day, which is expected to meet the needs of the service area through 2045.

In addition to the pump upgrades, the heavily-trafficked location prompted the construction of public restrooms, two aquatic invasive species boat wash hydrants, and a bike repair station. Sustainable design practices were incorporated and included installation of bioretention ponds, a green roof, rain gardens, and permeable pavement walkways. The project includes a real-time information display that is visible to the public, showing information about pumping speeds, water flow, and other data associated with the pumping station. Incorporating educational aspects into this project provides a community engagement opportunity while addressing water quality issues by updating an outdated pumping station.
The Scow Bay 1 station pumps continuously during storm events due to inadequate wet weather storage capacity and worn pumps. The existing suction lift pumps were installed in 1990 and are estimated to operate at only 25% of their original efficiency, and often both pumps must run to keep up with system flows. Sometimes, in heavy storm events, the pump station reaches maximum capacity and needs to bypass flow out of the collection system to protect electrical components from flooding. To address this, the Borough will use a CWSRF loan to replace the pump station with new high efficiency submersible pumps and an intelligent electronic control system featuring variable frequency drives that will provide energy savings and help optimize system efficiency. The Borough anticipates power usage to decrease sharply with energy costs decreasing 52% overall, making this an excellent energy efficiency capital improvement project. Further efficiencies are anticipated through component standardization providing significant reduction in overall operations and maintenance costs in addition to increased reliability.

The Hanceville Water Works and Sewer Board borrowed $345,000 from the Alabama CWSRF, combined with a grant from the Tennessee Valley Authority, to install a solar panel array at its WWTP. The solar energy facility was installed in July of 2018 and has seven solar arrays with a generating capacity of 170 kW. The project utilized the renewable resource to provide a significant long-term operational cost savings for the Board. It is projected to result in over $300,000 worth of energy savings for the WWTP during the life of the solar panels. Significant energy savings have been achieved by WWTP optimization, but the solar energy facility will help Hanceville achieve steady and continued energy savings for years to come. This was the first installation of a solar energy facility co-located with a wastewater utility in Alabama.
HONORABLE MENTIONS

Program: Delaware SRF  
Recipient: City of Rehoboth Beach  
Project: Ocean Outfall and WWTP Upgrade

The City of Rehoboth Beach and Sussex County developed a partnership to address water quality and land conservation in Rehoboth Beach and surrounding communities. The project constructed a 6,000-foot ocean outfall pipe, a pump station, a force main, and a diffuser. This project eliminates discharges to the Lewes and Rehoboth Canal while complying with the Inland Bays Total Maximum Daily Load (TMDL), which requires the elimination of all point sources into the watershed. Upgrades were also made to improve effluent quality, which will remove approximately 17,120 pounds of nitrogen and 1,180 pounds of phosphorus from entering Rehoboth Bay annually. This project also sponsored a land conservation and water quality project for Sussex County that included land acquisition of 60 acres of forest and open space along a tributary of Rehoboth Bay. Land conservation efforts will include reforestation, stream restoration, and wetland creation that will protect habitat, create public trails, and better manage stormwater. The Delaware CWSRF funded this project which received a reduced interest rate of 2% for sponsoring the land conservation project.

Program: Florida SRF  
Recipient: City of Lakeland  
Project: Biosolids Energy Efficiency

The City of Lakeland partnered with Schneider Electric to construct a comprehensive biosolids energy efficiency project at their Glendale Wastewater Reclamation Facility. This project encompasses both process-related capital improvements and the installation of a combined heat and power system that will capture and condition previously flared biogas from the plant’s anaerobic digesters. The captured energy will power a 400-kW generator, reducing the facility’s electricity needs by over 41%. Lakeland is also improving its sludge pumping and mixing systems, which will ensure continued production of Class AA biosolids and minimize transportation and disposal costs. This project will save the City more than $1.4 million in avoided utility, operation, maintenance, and capital costs in the first year following completion, while averaging nearly $680,000 annually thereafter. The City will also engage with the local community and schools through educational programs and student enrichment activities held at the wastewater reclamation facility.
HONORABLE MENTIONS

Program: Illinois SRF
Recipient: City of Champaign
Project: West Washington Street Stormwater Upgrade

To address severe flooding, the City of Champaign received $18.9 million in CWSRF funding for one of the first green stormwater projects funded by the state. With a CWSRF loan, the City was able to fund the second and third phase of its West Washington Street Stormwater Improvements project. Phase 1 was completed in 2014 and included an 11 acre-feet detention basin and sewer pipes. Phase 2 constructed a 17.8 acre-feet detention basin with storm sewers that connect to the Phase 1 detention basin. This phase included native plants, rain garden/bio-retention, and curb cuts that drain into bioswales. In addition, new green spaces were created around the detention basins. Phase 3 proposes the construction of storm sewers to allow surface drainage into the collection system from flood prone areas.

Program: Kentucky SRF
Recipient: Lexington-Fayette Urban County
Project: West Hickman Wet Weather Storage

West Hickman WWTP made system enhancements and increased sewer capacity through a $63.4 million Wet Weather Storage and Headworks Facility project. The project constructed a new mechanical screening and grit removal system, a facility odor control system, two non-potable water pumping stations, auxiliary power to operate the entire complex, a 20 million gallon above ground storage tank, and a 140 million gallon a day (MGD) pump station that allowed for the elimination of two smaller pump stations. The project provides future public sewer capacity in an area expected to see expansive development. Construction of these enhancements provides the City with the appropriate sewer capacity and eliminates the need for future private septic systems and additional wastewater treatment plants.
Honorable Mentions

Program: Louisiana SRF
Recipient: Rapides Parish Sewer District No. 2
Project: Wastewater System Consolidation

The Rapides Parish Sewer District No. 2 provides sewerage services to the unincorporated areas of the Parish north of the Red River. This is done using two 40-year-old WWTPs that need significant repair. The District received a $2.5 million CWSRF loan to consolidate the wastewater treatment and replace the existing plants by constructing a new 150,000 GPD extended aeration WWTP. This project is the most economic option for the Parish, and the new facility will increase capacity for further consolidation. The existing Village Green and Choctaw Hills treatment plants will be replaced by lift stations, which will pump wastewater through approximately 5,000 linear feet of 6-inch and 8-inch force main to the new treatment plant site. Consolidation of these wastewater facilities with a modern facility will provide reliable treatment system that the District can maintain more effectively.

Program: Maryland SRF
Recipient: Washington County
Project: Conococheague Enhanced Nutrient Removal

The Conococheague WWTP reduced nutrient pollution in the Potomac River and Chesapeake Bay through an enhanced nutrient removal (ENR) upgrade. The project expanded treatment capacity from 4.1 to 4.5 MGD, reduced nitrogen discharges from 8.0 mg/L to 3.0 mg/L, and reduced phosphorus discharges from 2.0 mg/L to 0.3 mg/L. Nutrient loading was reduced by approximately 62,000 pounds for nitrogen, a 60% reduction, and about 21,000 pounds for phosphorus, an 84% reduction. The Maryland Water Quality Financing Administration (MWQFA) provided a loan for approximately $1.4 million, along with $462,415 in principal forgiveness, toward the total upgrade cost of $32 million. As of March 2019, MWQFA has funded ENR implementation at all 67 of Maryland’s major wastewater treatment plants that have flow greater than 500,000 GPD. These ENR changes have exceeded nutrient reduction goals established for the Chesapeake Bay through the Chesapeake Bay TMDL plan and the Chesapeake Bay Program Watershed Implementation Plan.
HONORABLE MENTIONS

Program: Michigan SRF  
Recipient: Clinton River Water District  
Project: Pontiac WWTF Biosolids Dewatering

The City of Pontiac received $31.9 million in funding from the Michigan CWSRF to upgrade their Clinton River WWTP. This Green Project Reserve project includes a Thermal Hydrolysis Pretreatment (THP) system that has the unique distinction of being the second plant in the Nation and the first in Michigan to use this emerging technology with anaerobic digestion. This cutting-edge method for conditioning sludge prior to digestion produces a finer digested sludge and exceptional quality Class A biosolid. With this project, useful materials are recycled and dispersed on land, and harmful contaminates are kept out of lakes, rivers, and streams. This kind of application provides advancements in both energy efficiency and sustainability. As a result, there are long-term economic benefits anticipated for the 14 communities that send their sanitary wastewater flows to be treated at this facility.

Program: Minnesota SRF  
Recipient: City of St. Cloud  
Project: St. Cloud Nutrient & Energy Recovery

The City of St. Cloud’s Nutrient, Energy, and Water Recovery Facility received a $16.7 million CWSRF loan for its innovative Nutrient and Energy Recovery Project. The project converts Class B biosolids to Class A products and converts phosphorus into a fertilizer component. The project also installed a biogas membrane and a combined heat and power engine-generator and converted a storage digester to a primary digester. These upgrades decreased biosolids by 70% which resulted in a decrease in staff processing time and hauling costs. The nutrient recovery reactor, the first installed in Minnesota and the 10th worldwide, will allow the facility to generate over 100 tons of struvite product that will be used where there are phosphorus deficiencies in the soil. The City also entered into a unique long-term agreement with a local brewing company wherein the City will convert byproducts from the brewery into energy, which will be used in the engine-generator at the Recovery Facility. The brewery contributed $391,000 of capital toward a new engine-generator and will pay tipping fees to offset any additional operation and maintenance costs. In 2018, the facility produced 82% of its electrical demand on-site using biofuel and solar, leading to a corresponding decrease in utility bill costs. As a result of the installation of the second engine-generator, the facility will be net zero in 2020.
Honorable Mentions

Program: Montana SRF
Recipient: City of Havre
Project: Wastewater System Improvements

The Montana Water Pollution Control SRF provided over $10 million in assistance to the City of Havre to fund necessary improvements to their activated sludge treatment plant. This nearly 40-year-old WWTP needed upgrades to help meet their final ammonia and residual chlorine limits. The existing treatment system was converted to a 1.8 MGD biological nutrient removal system and existing aerobic basins were rehabilitated. Additional basins were constructed to create anaerobic, anoxic, and aerobic environments needed for treatment. These basin configurations promote nitrification and denitrification for nitrogen removal, as well as enhanced biological phosphorus removal. The existing chlorination system was replaced with an ultraviolet disinfection system. To further enhance the biological phosphorus removal process, 10 gallons of waste barley mash from a local brewery gets added daily as an external source of carbon and volatile fatty acid supplement. These improvements have allowed the facility to continuously meet all permit effluent limits and has significantly improved the operability, reliability, and treatment capability of the facility. These upgrades have greatly improved the quality of wastewater effluent discharged to the Milk River, particularly with respect to nutrient levels and ammonia toxicity.

Program: Ohio EPA
Recipient: Upper Sandusky
Project: Wastewater Treatment Plant Upgrade

Upper Sandusky is a small community in northwest Ohio with less than 7,000 people. Like many communities in the state, it has a combined sewer system that overflows during wet weather, which leads to water quality and potential public health problems. The city’s WWTP experiences bypasses during excessive wet weather events, and during one storm in 2011, discharged 9.28 million gallons into the Sandusky River. To help address the bypasses and remaining CSOs, Upper Sandusky received a $27 million loan from Ohio EPA’s Water Pollution Control Loan Fund (WPCLF) to increase the treatment capacity and capability of the WWTP. The low loan rate of 0.1% saved the small community $18 million. Since the WWTP discharges to the Sandusky River, which is both a State Scenic River and a major tributary to Lake Erie, Upper Sandusky has also added phosphorus removal to its treatment process. Other aspects of the project include influent sewer improvements, preliminary treatment, and UV disinfection, among other upgrades that will increase treatment capacity and energy efficiency and reduce nutrient loading in Lake Erie.
**Honorable Mentions**

**Program:** Oklahoma SRF  
**Recipient:** Elk City Public Works Authority  
**Project:** Downtown Streetscape

The Elk City Downtown Streetscape project is the initial funding partnership between the Oklahoma Department of Transportation’s Transportation Alternatives Program and the Oklahoma CWSRF. The project was designed to provide a safe environment by addressing Americans with Disabilities Act (ADA) compliance issues pertaining to more effectively managing weather events, sidewalks, and parking in urban settings. CWSRF financing was used to reposition natural tree boxes from the sidewalk to the parking medians to provide a larger stormwater collection and drainage area and to replace impervious concrete with permeable concrete pavers to afford a higher infiltration rate and more pollutant removal from stormwater. This intergovernmental partnership modernized Elk City’s downtown to make it safer and more attractive while providing nonpoint source water quality benefits. This project has become one of Oklahoma’s Downtown Streetscape models for smaller communities across the state.

**Program:** Rhode Island SRF  
**Recipient:** Town of New Shoreham  
**Project:** Block Island Landfill Slope Repair

Block Island is a small land mass located nine miles off the southern coast of Rhode Island. The Block Island Landfill is located on the northwest shore of the Island, which is subject to extreme beach erosion. Super Storm Sandy’s days-long assault on the Island cut away the cover on the seaward slope of the landfill, washing trash and debris into the Atlantic Ocean. New Shoreham, the Island’s only town, borrowed $1.9 million from the CWSRF to repair the landfill slope. The project entailed pulling back the ocean facing slope of the landfill and creating a stone revetment along the toe of the slope that consisted of two layers of boulders weighing three tons each. In addition, 117 tons of heavy metal that was disposed at this site was collected and recycled. The rest of the slope was planted with beach grass for stabilization and a fenced hiking path was created along its top for the protection of both pedestrians and the grasses.
Program: Tennessee SRF
Recipient: City of Franklin
Project: Water Reclamation Facility Modification

With a loan from the Tennessee Department of Environment and Conservation, the City of Franklin will expand its existing WWTP from its current capacity of 12 MGD to 16 MGD to accommodate a growing population. The project will also expand the existing on-site reclaimed water pump station to serve additional reclaimed water customers. This system will greatly reduce energy consumption and annual operating costs and include a new UV disinfection system, a new biosolids treatment system, and a biogas recapture system. The UV system is expected to result in an operating cost savings of approximately $2.3 million over a 20-year period. The system will also reduce power consumption by approximately 15.6 million kWh over 20 years. The biosolids treatment system is expected to provide a 20-year net present worth hauling and disposal cost savings of approximately $58 million. The system will also eliminate approximately 3.3 million hauling miles over 20 years, resulting in a significant reduction in vehicle emissions and diesel fuel consumption. This will also eliminate the dependence on a single disposal option for sludge that depends on continuation of a disposal facility permit. Lastly, the new combined heat and power system is anticipated to provide a net present worth savings in electricity of about $8.5 million.

Program: Washington SRF
Recipient: City of Oak Harbor
Project: Oak Harbor Clean Water Facility

The City of Oak Harbor received a $100 million CWSRF loan to construct a new membrane bioreactor (MBR) system to replace two aging wastewater facilities that were nearing their treatment capacity and were not equipped to meet future water quality standards. The new MBR system doubled treatment capacity and produces a high-quality effluent that can be used as reclaimed water for irrigation. The City used a parallel design and construction approach to streamline getting the MBR facility into operation. A Memorandum of Agreement was developed between seven Tribes, Oak Harbor, the Department of Ecology, and the EPA to appropriately handle the discovery of cultural resources during construction. The MBR facility was built at one of the former treatment sites which was adjacent to Windjammer Park. The City worked with community members to create the Windjammer Park Integration Plan which consisted of low-impact green infrastructure, connecting walkways, and a central pavilion at the new facility. The pavilion serves as an entrance to the administration office and acts as a public plaza suitable for community events where visitors can learn about the new facility and reclaimed resources. This new high performing facility with integrated community space provides many environmental and social benefits for the City of Oak Harbor.
**Program**: West Virginia SRF  
**Recipient**: Morgantown Utility Board  
**Project**: Wastewater Facility Upgrade

The City of Morgantown will upgrade their WWTP to address the overflow of untreated combined storm/sanitary wastewater during wet weather events. The facility will be upgraded from a 12 MGD rotating biological contactor to a 16 MGD membrane bioreactor within their existing activated sludge system to combat excessive biomass, air, and energy accumulation and increase total kjeldahl nitrogen removal. High efficiency LED units will replace the facility’s current lighting system which is projected to save an estimated 2.1 million kilowatt hours annually. In addition to the $25.5 million in CWSRF financing for this project, $75.5 million was leveraged from the Morgantown Utility Board and municipal bonds, allowing the community to also address infiltration and inflow on their main interceptor. Morgantown is one of the fastest growing areas in the State of West Virginia and the community depends on the utility to maintain a high level of service for all customers. This project will achieve multiple benefits, improving water quality through reduced CSO discharges and increasing energy efficiency at the utility.
For more information about the Clean Water State Revolving Fund, please contact us at:

United States Environmental Protection Agency
Office of Wastewater Management
Clean Water State Revolving Fund Branch
1200 Pennsylvania Avenue NW (4204M)
Washington, D.C. 20460

www.epa.gov/cwsrf

Office of Water • November 2019
EPA Publication 830B19003
All images were provided at the courtesy of the participants.
Liz Judy and Lyle Miller were sworn in to continue their roles as Chairpersons of BZA (Liz) and Planning Commission (Lyle) respectively.

Community Paper Shredding & Electronics Recycling

On Saturday, September 21, 2019, the City of Westwood Hills will be participating in a paper shredding and eCycle event. The event will be held from 9:00 am to 12:00 pm at 4350 Shawnee Mission Parkway in Fairway, Kansas.

Proof of residency will be required to participate in this mostly free event. Click here for more information.
The City needs two volunteers to work from 8:15 a.m. to 12:15 p.m. Please contact the City Clerk if you are able to help out.

September Yard of the Month (YOTM)

Congratulations to Howard and Jennifer Martin for the September YOTM.

The Community Association Fall Event

The Community Association Annual Fall Meeting will take place from 6:00 - 7:30 p.m. on Monday, October 7, 2019 at The Restaurant 1900. Residents should receive an electronic invitation with details and RSVP information.

Westwood Hills Directories

Residents should receive a postcard notification to pick up the newly updated Westwood Hills Directory. Please bring the postcard to 4941 Glendale Road on September 21, 2019, from 10:00 a.m. to Noon, or on September 23, 2019, from 5:00-7:00 p.m. Please contact Homes Association President, Mike Fox, at 816-392-4212 with any questions.

Free Firewood!

The City had several trees trimmed or removed on The Green. There is a stack of logs on the south side of the Green near 50th Terrace and State Line Road in Westwood Hills. The logs are stacked west of the Hi Hat coffee shop, at the edge of the Green Space in Westwood Hills, but are not clearly visible from the road. Take some or take them all. Free to anyone who is willing to haul them away.
There will not be a September Planning Commission Meeting.

Stormwater Management Plan and Annual Report

Click here to read the City's Stormwater Management Plan, and here to read the 2018 annual report. Citizens may send comments regarding the Stormwater Plan and Annual Report to whclerk@gmail.com.

Only Rain Goes Down the Drain - with Your Help!

Stormwater runoff from impervious surfaces like roofs, driveways, patios, curbs, sidewalks, and streets is a leading cause of impairment to our shared water resources. Every level of government has policies and requirements related to managing stormwater as evidenced by other articles in this newsletter. Ultimately city government needs responsible citizens to partner with it to pay for stormwater systems themselves and to cooperate in the ongoing maintenance of the system. Maintenance includes keeping the curb in front of your home free from debris of all types: sticks, leaves, rocks, sweetgum balls, peeling bark from sycamore trees, dog droppings, and the paper cup that a driver pitched out the window. If you have a stormwater inlet in your curbing, your cooperation is even more vitally important because the system directs all water flows towards the inlets. Because of the power of water or a snow plow, you may find the content of your neighbor's curb at your own and headed towards clogging the opening of the inlet. Clogged and impacted inlets increase the likelihood of flash flooding during heavy rains. Please help us protect the tax-funded investment in our new stormwater inlets by keeping the curb in front of your home clean and keeping debris from clogging the inlet openings. Only rain will go down our stormwater drains if we all help.

BMP Cost Share Program

The City received a grant from the County to encourage residents to plant new trees and native plantings (on buffers/swales). We encourage residents to consider whether new native plantings would benefit their landscapes. Prior to any planting, the homeowner must submit an application to the City, describing the planting project. If a homeowner's application is approved, the City will reimburse half the cost of a native tree, up to $150.00, half the cost up to $1,000 on native plantings and buffers/swales and rain gardens, and half the cost up to $1,000 for permeable pavement. All are limited to a maximum of one application per resident. However, homeowners may apply for an additional native tree after October 20, 2019, if funds remain. There is a limited amount of money, and first come, first served. Projects requiring vegetation must be installed and completed by October 31, 2019 to promote establishment. Native tree planting will be allowed until November 30, 2019. Click here for the application.

October Meetings

The October regular City Council meeting will be held at 7:00 p.m. on October 14, 2019. Please contact Beth

The October Planning Commission meeting will be held at 7:00 p.m. on Thursday, October 17, 2019. Please
O'Bryan if you have an item to place on the agenda.

Both meetings are held at Westwood City Hall - 4700 Rainbow Boulevard.

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**City Information**

City Clerk/Administrator: Beth O'Bryan [whclerk@gmail.com](mailto:whclerk@gmail.com) - 913-262-6622
Mayor: Paula Schwach - [schwach3p@gmail.com](mailto:schwach3p@gmail.com)
City website: [www.westwoodhills.org](http://www.westwoodhills.org)

**City Council**

Ed Gogol - Landscaping - [gogol.monday@gmail.com](mailto:gogol.monday@gmail.com)
Rosemary Podrebarac - Ordinances and Building - [rpodrebarac1@kc.rr.com](mailto:rpodrebarac1@kc.rr.com)
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John Weedman - Budget and Finance- [john@midwestbinding.com](mailto:john@midwestbinding.com)

Meetings are held at Westwood City Hall - 4700 Rainbow Blvd.
City of Westwood Hills, Kansas

Stormwater Management Plan

Submitted in Compliance with Kansas Permit No.: M-MO39-SU01

Date: September 14, 2015
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**Attachments**

Map Attachment 1 – Westwood Hills Storm Sewer Network

Map Attachment 2 – Stream Map
1.1 INTRODUCTION

This document is a Stormwater Management Plan (SMP, or the “Plan”) created to help reduce the
discharge of pollutants in stormwater runoff within regulated areas of Westwood Hills, Kansas. It
outlines stormwater program activities, monitoring requirements, reporting requirements, and
responsible parties for implementing this work.

This plan was prepared in compliance with Kansas Permit Number: M-MO39-SU01

Effective Date of Permit: January 1, 2015
Expiration Date: December 31, 2019

Section 1.2 summarizes the basic requirements of the stormwater permitting program for the benefit of
users of this document. Subsequent sections provide the details of the SMP itself.

1.2 OVERVIEW OF STORMWATER PERMIT REQUIREMENTS FOR MS4s

The Federal Water Pollution Control Act (also referred to as the Clean Water Act) requires permits of
both municipal and industrial stormwater dischargers, developed under a program called the National
Pollutant Discharge Elimination System (NPDES). Permits for stormwater discharges from municipal
urbanized areas are regulated under the MS4 permitting program. The term MS4 is short for Municipal
Separate Storm Sewer Systems. (These are urbanized areas that have stormwater drainage systems that
are separate from sanitary sewer systems.)

The Kansas Department of Health and Environment (KDHE) has developed two general MS4 permits
for small municipalities with separate storm sewer systems. One was written for entities receiving an
MS4 permit for the first time and another written for entities receiving a re-issued permit.

The general permits establish standardized requirements for entities across the state engaged in similar
activities and discharging stormwater of similar quality. Permits issued to regulated cities or counties
may include added conditions in addition to the standardized requirements in the general permits. The
following description of the MS4 permit program was compiled from KDHE fact sheets:

The small MS4 general permit program addresses MS4s that generally serve populations less
than 100,000 in urbanized areas, plus those MS4s located outside of urbanized areas that have or
may have the potential to negatively impact surface water quality as a result of their discharges.

A general permit requires the permittee to develop, implement, and enforce a Stormwater
Management Plan (SMP) designed to reduce the discharge of pollutants from the MS4 to the
maximum extent practical, to protect water quality, and to satisfy water quality requirements of
the Clean Water Act and Kansas law.

The SMP must include six minimum stormwater control measures that are required of all plans.
It is also required to address implementation of Best Management Practices (BMPs) for reducing
pollutants in stormwater discharges from the municipality. Special emphasis is placed on
drainage basins and stormwater pollutants that discharge to designated Total Maximum Daily
Load (TMDL) streams and lakes within or immediately downstream of the municipality.

The SMP document must address the BMPs to be implemented by the permittee, provide
measurable goals for the BMPs, designate the parties responsible for implementing the control
measures, provide appropriate maps and conduct stormwater/receiving stream sampling and testing based upon the TMDL impairments.

“Impaired Waters” are streams or lakes that do not attain or maintain minimum water quality standards. They may result from individual or multiple pollutants. As noted above, TMDL is an acronym for **Total Maximum Daily Load**, which is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards. Impaired streams and lakes are also commonly referred to as TMDL water bodies.

TMDL water bodies and pollutants of concern are identified in permits issued for individual municipalities if impaired waters exist within or immediately downstream of that jurisdiction. Monitoring requirements and water quality protection initiatives may then focus especially on those pollutants.
The Mayor has the overall responsibility for compliance with this Plan. Implementation may include assistance from the following:

- Westwood Hills’ City Council and City Clerk
- Johnson County Stormwater Management Advisory Council (SMAC)
- City of Westwood Police Chief and the Public Works Director
- Johnson County Water Quality Specialist
- Consolidated Fire District No. 2
- Johnson County Department of Health and Environment
- Westwood Hills Community Association
- Consideration of partnering with the cities of Westwood/Fairway/Mission Hills/Mission Woods to provide or share services.
SECTION THREE

Six Minimum Control Measures

This section describes the six minimum water quality protection control measures that are required by all MS4 permits. They include the following:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management in New Development and Redevelopment
6. Pollution Prevention/Good Housekeeping for Municipal Operations

For each of these control measures the following is provided in this section:

- A summary description of the control measure
- The benefits of the control measure
- A table listing Best Management Practices (BMPs), Measurable goals for the BMPs, and Responsible parties
- Program assessment activities for evaluating the success of the control measure

3.1 CONTROL MEASURE 1 - PUBLIC EDUCATION AND OUTREACH

Description

This minimum control consists of implementing a public education program to inform individuals, businesses, and organizations about the impacts of stormwater discharges on surface water quality and how they can help reduce pollutants in stormwater runoff. This may include distribution of educational materials to the community and/or conducting outreach activities.

Benefit

An informed public increases awareness of water quality issues in both residents and businesses, creates opportunities for the public to take direct action to improve the health and sustainability of their community, and builds support for program goals making initiatives more effective.
### Public Education and Outreach

<table>
<thead>
<tr>
<th>BMP</th>
<th>BMP Description</th>
<th>Measurable Goal</th>
<th>Lead Staff</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Develop a stormwater public education and outreach program</td>
<td>The City participates in education and outreach through partner efforts of the Johnson County Stormwater Management Program (JCSMP). Outreach efforts provided through this partnership may include partnering with schools and local non-profit organization working in Johnson County to implement stormwater education/curricula in schools and the community.</td>
<td>The program is in-place and educational and outreach programs are available to the public. JCSMP provides annual summaries of initiatives, events, and number of participants. Those statistics will be included with the City’s annual report.</td>
<td>City of Westwood Hills with the assistance of the JCSMP Water Quality Specialists *</td>
</tr>
<tr>
<td>1.2</td>
<td>Develop stormwater related education and outreach materials</td>
<td>The City participates in the development of education materials through partner efforts of the JCSMP. Items provided through this partnership may include articles or advertising in local newspapers, print/electronic newsletters, flyers, brochures, envelope stuffers, etc.</td>
<td>The program is in-place and educational and outreach programs are available to the public. JCSMP provides annual summaries of initiatives, events, and number of participants. Those statistics will be included with the City’s annual report.</td>
<td>City of Westwood Hills with the assistance of the JCSMP Water Quality Specialists *</td>
</tr>
<tr>
<td>1.3</td>
<td>Annual Program Review</td>
<td>JCSMP and Cities review and assess the program on an annual basis, and revise as required.</td>
<td>As needed, note revisions in annual report and update SMP</td>
<td>City of Westwood Hills</td>
</tr>
</tbody>
</table>

* Subject to funding approval by Johnson County Stormwater Management Advisory Council (SMAC) and the Board of County Commissioners (BOCC)
Program Assessment

The overall success of the Public Education and Outreach Program will be measured through the successful implementation of the components of the program. Johnson County plus the Mid-America Regional Council (MARC) Water Quality Education Committee provide annual summaries of program statistics for partner cities.

Program assessment will be reported with each annual NPDES report discussing the activities completed for the previous program year. The following will be measured:

- Number of education and outreach programs and presentations conducted, and attendance
- Number of times information is published in City newsletter
- Survey results, when conducted
3.2 CONTROL MEASURE 2 - PUBLIC INVOLVEMENT AND PARTICIPATION

Description
This minimum control consists of creating opportunities for individuals and organizations to provide public comment and recommendations regarding BMPs and measurable goals and to participate in the development and implementation of BMPs to reduce the contamination of stormwater. This program must also comply with state and local public notice requirements.

Benefit
The goal of the stormwater management plan is to improve water quality in local lakes and rivers, which provides benefits to the entire community. As such, the community deserves to have an opportunity to voice opinions on the content of the plan. Further, input into decisions builds support for and ownership in outcomes.

BMPs, Goals, and Staff

<table>
<thead>
<tr>
<th>BMP</th>
<th>BMP Description</th>
<th>Measurable Goal</th>
<th>Lead Staff</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Develop a Public Involvement and Participation Program, and Create a Mechanism for Public Comment and Input</td>
<td>Provide a mechanism for public comments on the stormwater management program, the SMP, and stormwater pollution control initiatives. Input may be provided on website, at community events, or through similar means. Email address for City Clerk available for public comment/communication.</td>
<td>Program is started and a mechanism is in-place to solicit public input. Develop a mechanism to accept comments, then create a log of comments and track responses</td>
<td>JCSMP* Water Quality Specialist City of Westwood Hills**</td>
</tr>
<tr>
<td>2.2</td>
<td>Comply with Public Notice Provisions</td>
<td>Public comment methods will comply with State and City public notice requirements.</td>
<td>Revisions advertised, comments addressed</td>
<td>City of Westwood Hills**</td>
</tr>
<tr>
<td>2.3</td>
<td>Promote Community Involvement</td>
<td>The City participates in community involvement initiatives through partner efforts of the Johnson County Stormwater Management Program (JCSMP).</td>
<td>List of stormwater related activities; summary of accomplishments; number of attendees is provided by JCSMP on an annual basis.</td>
<td>City of Westwood Hills**</td>
</tr>
<tr>
<td>2.4</td>
<td>Annual Program Review</td>
<td>Assess Program and revise as required</td>
<td>As needed, note revisions in annual report and update SMP</td>
<td>City of Westwood Hills **</td>
</tr>
</tbody>
</table>

** City of Westwood Hills denotes responsibilities delegated to Public Safety Committee Council Person and Lay Committee members appointed by the Mayor.
Program Assessment

Similar to Public Education and Outreach, the overall success of the Public Involvement and Participation Program will be measured through the successful implementation of the components of the program. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. The following will be measured:

- Number of public notices issues and comments received
- Number of community involvement events and participants
- Number of cost-share projects and participants
3.3 CONTROL MEASURE 3 - ILLICIT DISCHARGE DETECTION AND ELIMINATION

Description

This minimum control consists of developing, implementing, and enforcing a program to detect and eliminate illicit wastewater discharges or other non-stormwater discharges into the storm sewer system. KDHE requires this program to include, at a minimum:

- Developing a storm sewer system map of the permitted MS4 showing the location of all outfalls, either pipes or open channel drainage, and showing the names and locations of all streams or lakes that receive discharges from those outfalls.
- Enacting and enforcing an ordinance or resolutions to prohibit non-stormwater discharges into the storm sewer system.
- Informing public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
- Developing and implementing a plan to detect and address prohibited non-stormwater discharges.

Benefit

Direct discharges of waste streams can present significant localized impacts to both public health and the environment. Developing legal, technical, and educational means to eliminate illicit discharges provides direct benefits to water quality, the environment, and public health.

BMPs, Goals, and Staff

<table>
<thead>
<tr>
<th>BMP</th>
<th>BMP Description</th>
<th>Measurable Goal</th>
<th>Lead Staff</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Map of Storm Sewer System</td>
<td>Prepare a map of the City’s storm sewer system, pipes, channels, outfalls, and receiving water bodies.</td>
<td>City of Westwood Hills*</td>
<td>Prepare in 2015 Complete by Dec 31, 2015</td>
</tr>
<tr>
<td>3.2</td>
<td>Develop an Illicit Discharge Detection and Elimination program</td>
<td>Initiate a program to detect and eliminate illicit discharges incorporating the elements below.</td>
<td>City of Westwood Hills*</td>
<td>Initiate program within 2 yrs of effective date of permit (Jan 1, 2017)</td>
</tr>
<tr>
<td>3.3</td>
<td>Pollution Prevention Ordinance</td>
<td>Develop or update the Stormwater Pollution Ordinance and enforcement procedures as needed</td>
<td>City of Westwood Hills*</td>
<td>Jan 1, 2017</td>
</tr>
<tr>
<td>3.4</td>
<td>Program to inform public employees, businesses, and general public</td>
<td>Incorporate information on the hazards of illegal discharges into the public education and outreach program.</td>
<td>City of Westwood Hills*</td>
<td>Jan 1, 2017</td>
</tr>
</tbody>
</table>
Program Assessment

The overall success of the Illicit Discharge Detection and Elimination Program will be measured through the successful implementation and enforcement of a Stormwater Pollution Ordinance to be prepared and enacted before January 1, 2017.

Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. The following will be measured:

- Number of public complaints addressed or problems discovered by City staff
- Number of inspections conducted
- Number of notices of violation or penalties issued
3.4 CONTROL MEASURE 4 - CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Description

This minimum control includes developing, implementing, and enforcing a program to reduce pollutants in any stormwater runoff to the MS4 for construction sites disturbing one acre or more, including areas that are less than one acre but are part of a larger common plan for development that disturbs one or more acre. KDHE requires this program to include:

- Where permittees have the authority to do so, ordinances or resolutions shall be enacted to require erosion and sediment controls, as well as sanctions to ensure compliance.
- Requirements for construction site owners or operators to implement erosion and sediment control BMPs.
- Requirements for construction site owners or operators to control wastes at the construction site that are likely to cause adverse impacts to water quality.
- Procedures for site plan review which incorporate consideration of potential water quality impacts.
- Procedures for receipt and consideration of information submitted by the public.
- Procedures for site inspection and enforcement of control measures.

Benefit

If uncontrolled, land disturbance activities can generate significant loads of sediment which can impact both adjoining properties and downstream water bodies. Fortunately, effective controls are easy and cost-effective to implement.

BMPs, Goals, and Staff

<table>
<thead>
<tr>
<th>BMP</th>
<th>BMP Description</th>
<th>Measurable Goal</th>
<th>Lead Staff</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 Regulations and Standards</td>
<td>Ordinance to be adopted before January 1, 2018.</td>
<td>Review every 2 years and update as needed</td>
<td>City of Westwood Hills*</td>
<td>Initiate program within 3 yrs of effective date of permit (Jan 1, 2018)</td>
</tr>
<tr>
<td>4.2 Site Plan Review (No sites greater than one acre currently platted or available)</td>
<td>Require an Erosion and Sediment Control Plan for any land disturbance activity equal to one acre or more, to address erosion &amp; sediment control, and water quality protections.</td>
<td></td>
<td>Planning Commission and City Building Official</td>
<td></td>
</tr>
<tr>
<td>4.3 Site Inspection and Enforcement</td>
<td>Track construction site inspections, complaints, violations, and enforcement measures</td>
<td>Number of inspections, complaints, violations, enforcement measures</td>
<td>City of Westwood Hills*</td>
<td>Start inspection program by Jan 1, 2018 Track as-needed</td>
</tr>
</tbody>
</table>
### Program Assessment

The overall success of the Construction Site Stormwater Runoff Control Program will be measured through the successful implementation and enforcement of the Erosion and Sedimentation Control Ordinance. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. The following will be measured:

- Adopt ordinance before January 1, 2018
- Number of plans reviewed
- Number of inspections conducted
- Number of NOVs issued
- Number and amount of penalties issued

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### Six Minimum Control Measures

<table>
<thead>
<tr>
<th>BMP</th>
<th>BMP Description</th>
<th>Measurable Goal</th>
<th>Lead Staff</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.4 Receipt of Public Information on Construction Site Compliance</td>
<td>Provide a procedure to receive and consider information from the public.</td>
<td>Summary of information received and actions taken.</td>
<td>City of Westwood Hills*</td>
<td>Start process by Jan 1, 2018 Track as-needed</td>
</tr>
<tr>
<td>4.5 Staff Training</td>
<td>Provide training and information to staff as needed.</td>
<td>Track training provided and participants.</td>
<td>City of Westwood Hills*</td>
<td>Start training by Jan 1, 2018 Track annually</td>
</tr>
<tr>
<td>4.6 Annual Program Review</td>
<td>Assess the Program and revise as required</td>
<td>As needed, note revisions in annual report and update SMP</td>
<td>City of Westwood Hills*</td>
<td>Annual</td>
</tr>
</tbody>
</table>

* City of Westwood Hills denotes responsibilities delegated to the Mayor, the Planning Commission and the Building Official.
3.5 CONTROL MEASURE 5 - POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Description
This minimum control requires the development, implementation, and enforcement of a program to address post-construction stormwater runoff controls from both new development and redevelopment sites after development of sites disturbing one acre or more, including projects that are less than one acre but are part of a larger common plan for development that disturbs one or more acre. KDHE requires the program to include:

- 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.
- BMPs to prevent or minimize adverse water quality impacts.
- Strategies which include a combination of structural and/or non-structural BMPs appropriate for the municipality.
- Means to ensure adequate long-term operation and maintenance of BMPs.

Benefit
Conversion of native landscape to developed landscape increases both the volume of stormwater runoff and pollutant loads in stormwater. The consequences can include erosion, flooding, and pollution, impacting both downstream property owners and public infrastructure. Stormwater controls included in development sites can help reduce impacts and costs to both private property owners and the public.

BMPs, Goals, and Staff

<table>
<thead>
<tr>
<th>BMP</th>
<th>BMP Description</th>
<th>Measurable Goal</th>
<th>Lead Staff</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1 Regulations and Standards</td>
<td>Develop or update Post Construction Stormwater Management Ordinance.</td>
<td>Ordinance to be adopted per schedule.</td>
<td>City of Westwood Hills*</td>
<td>Initiate program within 3 yrs of effective date of permit (Jan 1, 2018)</td>
</tr>
<tr>
<td>5.2 Site Plan Review (No sites greater than one acre currently platted or available)</td>
<td>Require a Post-Construction Stormwater Management Plan for any new development or re-development project that disturbs one acre or more of land.</td>
<td>Review all plans to determine compliance with Post-Construction Stormwater Management Ordinance and design criteria.</td>
<td>City of Westwood Hills*</td>
<td>Review, if needed.</td>
</tr>
<tr>
<td>5.3 Site Inspection and Enforcement</td>
<td>Establish inspection program for private and public projects.</td>
<td>Implement inspection program.</td>
<td>City of Westwood Hills*</td>
<td>Jan 1, 2018</td>
</tr>
<tr>
<td>5.4 Establish long term O&amp;M Program</td>
<td>Establish a program that requires the owner/operator to perform routine inspections and long-term maintenance.</td>
<td>Develop appropriate ordinance and program requirements.</td>
<td>City of Westwood Hills*</td>
<td>Jan 1, 2018</td>
</tr>
</tbody>
</table>
* City of Westwood Hills denotes responsibilities delegated to the Mayor, the Planning Commission and the Building Official.

Note: City of Westwood Hills will be assisted by the Johnson County Stormwater Management Program which helps cities comply by satisfying Minimum Control Measurers (MCM) 1 & 2. In order to satisfy MCM’s 3, 4, 5 & 6, JCSMP will provide model ordinances for illicit discharge detection and elimination (3), erosion and sediment control (4), and post construction runoff control (5) as well as provide training materials on good housekeeping (6).

Program Assessment

The overall success of the Post-Construction Stormwater Management Program will be measured through the successful implementation and enforcement of a Post-Construction Stormwater Management Ordinance. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. The following will be measured:

- Number of plans reviewed
- Ordinances updated and procedures enacted
3.6 CONTROL MEASURE 6 - POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Description

This minimum control measure requires the development and implementation of an operation and maintenance and training program to reduce and prevent stormwater pollution from public facility operations such as park and open space maintenance, fleet and building maintenance, new construction and land disturbance, and stormwater system maintenance. It should be noted that the City of Westwood Hills own only one passive green space and its public right-of-way but has no fleet and building maintenance.

Benefit

Leading by example on public facilities and projects provides an opportunity to demonstrate and teach proper techniques to other landowners, and it is available on a routine and ongoing basis.

BMPs, Goals, and Staff

<table>
<thead>
<tr>
<th>Pollution Prevention/Good Housekeeping for Municipal Operations</th>
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<tbody>
<tr>
<td><strong>BMP</strong></td>
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<tr>
<td>6.1</td>
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<td>6.2</td>
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<td>6.3</td>
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<tr>
<td>6.4</td>
</tr>
</tbody>
</table>

*City of Westwood Hills denotes responsibilities delegated to the Public Works Director, the Public Safety Committee Council Person, the Beautification and Landscape Committee Council Person, and/or subcontractors hired by the City of Westwood Hills.
Program Assessment

The overall success of the Pollution Prevention/Good Housekeeping Program will be measured through the successful implementation of facility SWPPPs, employee training and facility inspections conducted as part of the program. Program assessment will be reported with each annual NPDES report discussing the activities completed in this section for the previous program year. The following will be measured:

- The number of inspections conducted
- The number of problems discovered and resolved
- Training classes conducted
- Chemical use reductions
N/A

Section not required as permit does not list any TMDLs.
N/A

Section not required as permit does not list any TMDLs.
## Permit Compliance Schedule and Annual Reporting

### Permit timelines for MS4s permitted in 2015

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit effective date</td>
<td>January 1, 2015</td>
</tr>
<tr>
<td>Maps of stormwater outfalls, streams and lakes in the targeted TMDL areas</td>
<td>December 31, 2015</td>
</tr>
<tr>
<td>Stormwater Management Plan (SMP)</td>
<td>Prior to February 28, 2016</td>
</tr>
<tr>
<td>Public Education and Outreach program (MCM* 1)</td>
<td>Prior to January 1, 2016</td>
</tr>
<tr>
<td>Public Involvement and Participation (MCM 2)</td>
<td>Prior to January 1, 2016</td>
</tr>
<tr>
<td>Annual Report-- including Stormwater Management Plan (Year 1)</td>
<td>February 28, 2016</td>
</tr>
<tr>
<td>Initiate stormwater and stream/lake monitoring programs for TMDL listed waters</td>
<td>July 1, 2016</td>
</tr>
<tr>
<td>Illicit Discharge Detection and Elimination program (including regulations passed) (MCM 3)</td>
<td>January 1, 2017</td>
</tr>
<tr>
<td>Pollution prevention/good housekeeping for municipal operations (MCM 6)</td>
<td>January 1, 2017</td>
</tr>
<tr>
<td>Annual Report (Year 2)-- including regulations passed for MCM 3</td>
<td>February 28, 2017</td>
</tr>
<tr>
<td>Storm Sewer System Map</td>
<td>February 28, 2017</td>
</tr>
<tr>
<td>Construction Site Stormwater Runoff Control requirements (including regulations passed)</td>
<td>January 1, 2018</td>
</tr>
<tr>
<td>Annual Report (Year 3)-- including regulations passed for MCM 4 and 5</td>
<td>February 28, 2018</td>
</tr>
<tr>
<td>Post-Construction Stormwater Management in new and re-development sites (including regulations passed)</td>
<td>January 1, 2018</td>
</tr>
<tr>
<td>Annual Report (Year 4)</td>
<td>February 28, 2019</td>
</tr>
<tr>
<td>Annual Report (Year 5)</td>
<td>February 28, 2020</td>
</tr>
</tbody>
</table>

*MCM- Minimum Control Measure
Items in bold indicate documentation due to KDHE
Annual Reporting

A calendar year annual report will be submitted to KDHE by February 28 of each year. The report will cover activities conducted during the prior calendar year and will include the following:

- Summary of compliance activities associated with the permit
- A review of the appropriateness of BMPs and progress towards achieving water quality goals
- Results of information collected and analyzed, if any, including monitoring data
- Summary and status of stormwater activities conducted during the previous year
- Summary of stormwater activities scheduled to take place during next reporting cycle (including schedule)
- Map showing changes in jurisdictional permit area, if appropriate
- Description of significant changes in any BMPs, including the six minimum control measures
- Copies of updated ordinances or resolutions associated with this SMP or the six minimum control measures
- Updated list of other parties who will be responsible for implementing program areas of this SMP, if any
This SMP will be evaluated annually, and modifications to the Plan, if any, will be submitted with the annual report.

Minor modifications to BMPs listed in this plan, if needed to meet program objectives, will be made within 60 days determination by the permittee or written notification from KDHE.

Major modifications to BMPs listed in this plan, if needed to meet program objectives, will be proposed in a written plan to KDHE, within 60 days determination by the permittee or written notification from KDHE.

### ANNUAL REVIEWS

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHANGES MADE</th>
<th>COMPLETED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td></td>
<td></td>
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</tbody>
</table>
Map Attachment 1 – Westwood Hills Storm Sewer Network

Map Attachment 2 – Stream Map