

**KANSAS STORMWATER 2017 ANNUAL REPORT FORM
FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS
(MS4s)**

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

Permittee Information -

Permittee (Agency Name) Mailing Address 1: #1 E Douglas Ave. ☐

Mailing Address 2: None ☐

Municipality: Eastborough ☐

State: Kansas ☐

Zip Code: 67206 ☐

MS4 Program Contact Person: Stacy G. Moore ☐

Contact E-Mail Address: Stacy.moore@eastborough-ks.gov ☐

Contact Phone Number: (316) 682-4111 ☐

Construction Issues Contact Person: Stacy G. Moore ☐

Contact E-Mail Address: ☐

Contact Phone Number: ☐

Kansas Permit Number: M-AR31-SU01 ☐

(Example) M- MC21- SU01

Reporting Period covers activities from January 1, 2017 through December 31, 2017.

This annual report must be submitted to the Kansas Department of Health and Environment (KDHE) by February 28, 2018. This annual report must be submitted as a PDF file to KDHE on a standard compact disk (CD). **In addition**, provide the current copy of the Stormwater Management Program (SMP) Document as a PDF file on the CD.

B. Executive Summary

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

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

C. Stormwater Management Program

	Yes	No	Not Applicable
1. Has the Stormwater Management Program (SMP) been developed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Has the SMP been modified during this reporting period?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. If the answer to question 2 above was "yes", has the modified SMP been submitted to KDHE for review?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If the answer to item 3 is "No" a copy of the modified SMP must be submitted with this annual report. If it is anticipated a measurable goal cannot be met in the next year the SMP should be modified and submitted to KDHE for review. The modifications may include different BMPs and/or revised goals to avoid being in a position of non-compliance.

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

	Yes	No	Not Applicable
1. Were any best management practices (BMPs) intended to attenuate the discharge of TMDL regulated pollutants implemented? See your permit to determine if TMDL regulated pollutants are listed for the receiving stream affected by your stormwater system.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. List all of the BMPs intended to attenuate the discharge of TMDL regulated pollutants as identified in the SMP and provide the requested information in the following table.			

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

BMP ID Number	Brief BMP Description	Regulated TMDL Parameter	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>None</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

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

1. Public Education and Outreach (Table)

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

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>1A</u>	<p><u>Television Video Messaging:</u></p> <p>Video messages and graphics are placed on City of Wichita's Cable Channel 7. This activity will take the form of periodic repeating video presentations or graphics informing citizens of the importance of preventing stormwater pollution and individual actions citizens can take to reduce their impact on stormwater pollutants.</p>	<p>A repeating video or graphic designed to inform the public on stormwater pollution prevention will be run at least twice per year on the City's Cable Channel 7, and continue for the Permit duration.</p> <p><i>(City of Wichita)</i></p>	City of Wichita Program.
<u>1B</u>	<p><u>Website :</u></p> <p>City of Eastborough will continue to place educational items on the website eastborough-ks.gov which additionally includes a link to wichita.gov.</p>	Operational website, accessible by both the public and city staff, that includes educational materials from KDHE, EPA, City of Wichita, and City of Eastborough.	Website effective 365 days last year. No know outages or unavailability. Website is operational and accessible by both the public and city staff. It includes educational materials from KDHE, EPA, City of Wichita, and City of Eastborough.

1. Public Education and Outreach (Table) (Continued)

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

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>1C</u>	<p><u>Annual KDHE Report:</u></p> <p>Annually, each BMP and corresponding goal, provided for in the SMP, will be evaluated and progress and/or actions shall be reported in the Annual Report required by the KDHE MS4 permit. This will be posted on the website for public comment and consumption.</p>	An Annual Report will be submitted by February 28 of the following calendar year as prescribed by the KDHE MS4 permit.	All reports are available.

2. Public Involvement and Participation (Table)

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

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>2A</u>	<p><u>Website:</u></p> <p>Recommendations and changes to the City of Eastborough SMP will be solicited through the City of Eastborough website. Citizens are able to submit questions, comments and input directly to the Council member assigned to maintaining compliance with the City's MS4 Permit. The website has phone and email contacts available.</p>	<p>A website that is operational and accessible by both the public and city staff. With appropriate and easy to use contact information.</p>	<p>Website effective 365 days last year. No know outages or unavailability. Website is operational and accessible by both the public and city staff. Contact information is posted primarily via email: mailto:stormwater@eastborough-ks.gov; however, phone numbers are available for all Council Members and City Staff.</p>
<u>2B</u>	<p><u>Public Solicitation of Comments on BMPs and Goals associated with the SMP:</u></p> <p>City of Eastborough will solicit public comment and participation regarding BMPs and measurable goals used to comply with City of Eastborough MS4 Permit.</p>	<p>City of Eastborough will solicit public comment and participation in BMPs and measurable goals used to comply with the City of Eastborough MS4 permit. It will comply with State and Local publishing requirements.</p>	<p>City of Eastborough published a notice for public comment for participation. The meeting was held on 17 January 2017. Residents did attend. Notice was sent via email to all residents. The notice was published in compliance with State and Local publishing requirements. City Council meeting is always open to citizens and is the third Tuesday of every month.</p>

2. Public Involvement and Participation (Table) (continued)

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

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>2C</u>	<p><u>Annual Cleanup:</u></p> <p>City of Eastborough, through the citizenry, will accomplish a local cleanup with Waste Connections of Wichita, KS. Information will be provided showing proper disposal of any paints, solvents, and other hazardous items. Disposed of through Sedgwick County.</p>	Accomplish annual cleanup with Waste Connections open to all citizens to participate in and advertised on all forms of media available to City of Eastborough.	Accomplished 3 June 2017.

3. Illicit Discharge Detection and Elimination

Place a check mark in the appropriate box.

Address each item below and complete the following table:

Yes No Not Applicable

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

☒ ☐

2. 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?

☒ ☐

3. The permit may require the permittee enact ordinances, or resolutions. Have ordinances, or resolutions, or regulations to prohibit non-stormwater discharges into the storm system been enacted?

☒ ☐

Effective Date: 5 May 2015

Have the ordinances, resolutions, or regulations been modified?

☐ ☒

Effective Date: _____

4. Have the ordinances or resolutions and/or modifications been submitted to KDHE for review?

☒ ☐

5. Have public employees, businesses, and the general public been informed of the hazards associated with illegal discharges and improper disposal of waste?

☒ ☐

6. Are stormwater inlets and detention ponds inspected for illicit discharges and debris?

☒ ☐

7. Are restaurant waste grease areas inspected?

☐ ☐ ☒

8. Are septic systems inspected?

☐ ☐ ☒

9. Are debris, yard waste, and dead animals removed from the streets when noticed by employees or reported?

☒ ☐

10. Is there a yard waste management program?

☒ ☐

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

3. Illicit Discharge Detection and Elimination (Table)

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>3A</u>	<p><u>Stormwater Map:</u></p> <p>Develop a stormwater system map of the permittee's MS4, showing the location of all outfalls, either pipes or open channel drainage, showing the names and location of all streams or lakes that receive discharges from those outfalls. A copy of the map shall be submitted to KDHE.</p>	A complete GIS stormwater system map has been completed, and will be maintained, and updated throughout the year. KDHE has a copy.	Map has been completed and has been submitted to KDHE.
<u>3B</u>	<p><u>Hazardous Waste Disposal:</u></p> <p>Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.</p>	<p>A free, regional Household Hazardous Waste disposal site will be maintained for all residents to use. Additionally, an informational HHW video will be aired at least 6 times on the City's Cable Channel 7.</p> <p><i>(City of Wichita)</i></p>	City of Wichita Program.

3. Illicit Discharge Detection and Elimination (Table) (Continued)

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>3C</u>	<p><u>Ordinances and Enforcement:</u></p> <p>Enact ordinances or resolutions to prohibit non-stormwater discharges into the stormwater system and implement appropriate enforcement procedures and actions. A copy of the ordinances or resolutions shall be submitted to KDHE.</p>	Enact then update ordinance to regulate non-stormwater discharges in the stormwater system. Submit as required to KDHE.	Ordinance enacted 5 May 2015.

4. Construction Site Stormwater Runoff Control

Address each item below and complete the following table:	Place a check mark in the appropriate box.		
	Yes	No	Not Applicable
1. The permit requires the permittee to enact ordinances or resolutions. Have ordinances or resolutions to address construction site runoff from new development and redevelopment projects been enacted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Effective Date: <u>In Process – Attached in Updated Ordinances Section F.</u>			
2. Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Has a procedure or program been developed requiring construction site owners and/or operators to implement appropriate erosion and sediment control best management practices?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Has a procedure or program been developed requiring construction site owners and/or operators to control waste such as discarded building materials, concrete truck washout, chemicals, paint, litter, and sanitary waste at construction sites likely to cause adverse impacts to water quality?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Has a procedure been developed and implemented requiring site plan review of erosion control and debris container locations incorporating consideration of potential water quality impacts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. After review, and confirmation the plans are acceptable, is a construction site permit or building permit issued?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Has a procedure been developed for the receipt and consideration of information submitted by the public?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Has a procedure been developed and implemented for construction site inspection and enforcement of the control measures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Are construction site inspection and enforcement actions successful?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Are site owners and/or operators provided instruction on proper construction site erosion and waste control?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. List all the construction site stormwater runoff control BMPs as identified in the SMP and provide the requested information in the following table.			

4. Construction Site Stormwater Runoff Control (Table)

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>4a</u>	<u>Ordinances and Enforcement:</u> City of Eastborough will enact an ordinance to require erosion and sediment controls during construction, as well as sanctions to ensure compliance. A copy of the ordinances or resolutions shall be submitted to KDHE.	Enact then update ordinances to regulate non-stormwater discharges in the stormwater system. Submit as required to KDHE.	Ordinance is in progress and attached.
<u>4b</u>	<u>Ordinances and Enforcement:</u> City of Eastborough will enact an ordinance to require construction site owners and operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that are likely to cause adverse impacts to water quality.	Enact then update ordinances to regulate non-stormwater discharges in the stormwater system. Submit as required to KDHE.	Ordinance is in progress and attached.
<u>4c</u>	<u>Ordinances and Enforcement:</u> Procedures for site plan review which incorporate consideration of potential water quality impacts. Done by Architectural review with City Council oversight.	100% of permits issued reviewed for Stormwater impacts.	9 permits in 2017 were reviewed and issued after oversight by City Architect and City Council when required.

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

Address each item below and complete the following table: Place a check mark in the appropriate box.

	Yes	No	Not Applicable
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- | | | | |
|---|--------------------------|-------------------------------------|--|
| 1. The permit requires the permittee to enact a program to address post-construction site stormwater runoff from new development and redevelopment. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
|---|--------------------------|-------------------------------------|--|

The program developed to manage stormwater in new development and redevelopment projects must include the following elements:

- a. Strategies which include a combination of structural and/or Non-structural BMPs,
- b. Measures to ensure adequate long-term operation and Maintenance of BMPs,
- c. Site Owner or operator name and telephone number Responsible to ensure adequate long-term operation Maintenance of BMPs,
- d. BMPs to prevent or minimize adverse water impacts.

- | | | | |
|---|--------------------------|-------------------------------------|--|
| 2. The permit requires the permittee to enact ordinances or resolutions. Have ordinances or resolutions to address construction site runoff from new development and redevelopment projects been enacted? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
|---|--------------------------|-------------------------------------|--|

Effective Date: None Planned. See Assessment of BMP's in Section F.

- | | | | |
|---|--------------------------|-------------------------------------|-------------------------------------|
| 3. Has a copy of the ordinances or resolutions been submitted to KDHE as required by the permit? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Has a post-construction stormwater runoff program been implemented? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Have post-construction sites been inspected? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Have there been post-construction violations? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. 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. | | | |

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

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
N/A	<p>Eastborough does not have New Development or Redevelopment and has no plans in place to support. The town is surrounded on all sides by the City of Wichita and encompasses 0.4 square miles. The town has no businesses and the age and type of homes do not allow for any type of development or redevelopment beyond single family homes. The current ordinances in place, supporting parts 3 (Illicit Discharge Detection and Elimination) and 4 (Construction Site Stormwater Runoff Control) meet the City of Eastborough requirements and KDHE intent.</p>	N/A	N/A

6. Municipal Pollution Prevention/Housekeeping.

Place a check mark in the appropriate box.

Address each item below and complete the following table:

	Yes	No
1. The permit requires the permittee to enact a program to address Pollution Prevention/Good Housekeeping for Municipal Operations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Has an operation and maintenance program to reduce pollutant runoff and an audits/inspection program been adopted?		<input checked="" type="checkbox"/>
3. Has a municipal employee training program been established?		<input checked="" type="checkbox"/>
4. Are oil, hazardous wastes, chemicals, and municipal debris properly disposed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Are snow and ice removal materials and chemicals properly managed to prevent runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are municipal streets swept on a regular basis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are municipal stormwater inlets and drains inspected and cleaned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Are municipal snow piles' drainage controlled to prevent runoff pollution?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

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

Place a check mark in the appropriate box.

	Yes	No
1. Has the permittee developed and maintained a list of the municipal industrial facilities contributing to the pollutant loading to the municipal storm sewer system?	<input type="checkbox"/>	<input type="checkbox"/>
2. Have at least two municipal industrial facilities on the list had inspection and sampling conducted?	<input type="checkbox"/>	<input type="checkbox"/>
3. If the answer to items 1 and 2 is "No" provide a statement as to why monitoring and control has not occurred.		

Municipal Pollution Prevention/Housekeeping Table

BMP ID Number	Brief BMP Description	Measurable Goal(s)	Progress Achieving Goal(s) (Measured Result)
<u>6A</u>	<u>Street Sweeping:</u> City will conduct street sweeping program to reduce pollutant loadings to the storm sewer.	Quarterly sweeping of all city streets will be accomplished.	Quarterly Accomplished.
<u>6B</u>	<u>Annual Stormwater Inlet Check:</u> Ensure stormwater inlets and drains inspected and cleaned on an annual basis.	Annually check of all stormwater inlets and drains will be accomplished.	Complied with.

F. Recordkeeping and Reporting

ASSESSMENT OF APPROPRIATENESS OF BMPs

City of Eastborough is a unique community; it is surrounded on all sides by, the largest city in the State of Kansas, Wichita. City of Eastborough has no businesses and no commercial real estate. City of Eastborough is made up of entirely single-family homes encompassing 0.4 square miles with three paid city staff. City of Wichita has a Storm Water Utility budget in excess of 10.8 Million Dollars and 39 full-time employees to monitor and comply with permit M-AR94-S001. In an effort to create the most value for the taxpayer, City of Eastborough should leverage many of City of Wichita's tools to increase the efficacy of our program and reduce the shadow of bureaucracy. I believe the energies we have applied to our BMPs are encouraging our efforts to achieve the statutory goal of reducing the discharge of pollutants to the Maximum Extent Practicable (MEP).

ASSESSMENT OF EFFECTIVENESS OF BMPs

A limited amount of data has been collected in 2017. City of Eastborough will attempt to collect more data during rain events during CY 18. Current data aggregation does not yield actionable results.

DATA ANALYSIS

Under the City of Eastborough Permit, Water Sampling and data analysis has begun under BMP (3) Illicit Discharge Detection and Elimination. City of Eastborough was only able to accomplish one of five water samples due to only one person being able to collect and limited rain events. City of Eastborough has highlighted this as a limiting factor and will attempt to meet full compliance in CY 18.

STORM WATER ACTIVITIES FOR CALENDAR YEAR 2018

City of Eastborough's BMP's will remain in place for all of 2018. City of Eastborough will complete the Construction Site Stormwater Runoff Control ordinance. City of Eastborough will continue to welcome citizen involvement and will look to refine its program.

UPDATED ORDINANCES OR RESOLUTIONS ASSOCIATED WITH THE SMP

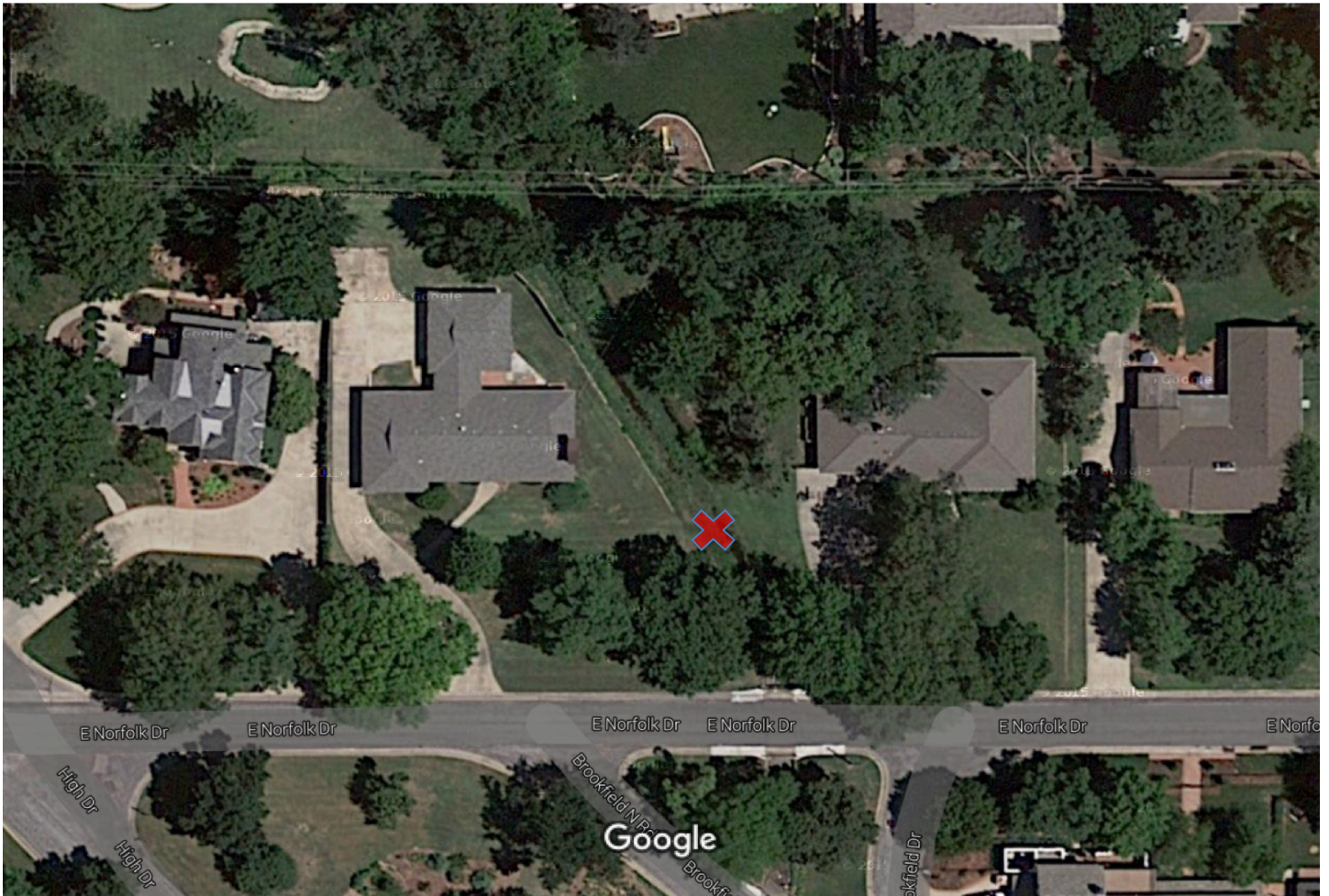
City of Eastborough has passed a resolution in May 2015 in anticipation of compliance with CY16 BMP's 3&6. These were addressed and enforcement mechanisms were in place during CY16 as required by the KDHE MS4 Permit. City of Eastborough has a Construction Site Stormwater Runoff Control ordinance in the process of being passed and will be in effect for the majority of 2017. Current city permitting processes are following the intent of the ordinance.

OTHER PARTIES RESPONSIBLE FOR IMPLEMENTING PROGRAM AREAS

- Stormwater map is created and monitored by MKEC of Wichita, KS.
- Water samples, when collected, will be analyzed by A&E Laboratories in Wichita, KS.
- Our residents view City of Wichita education and outreach in a similar manner to residents of Wichita, KS.

8. TMDL Surface Water Monitoring Locations

a. MS4 Monitor Site #1



Name: Eastborough, KS; Site 1

ID: MS4 Monitor Site #1(A) - Inflow

Location: Norfolk/Brookfield

Lat/Long: N37.689790 W97.256287

b. MS4 Monitor Site #2

Name: Eastborough, KS; Site 2

ID: MS4 Monitor Site #2(B) - Outflow

Location: High/Stratford

Lat/Long: N37.687323 W97.254286

G. Certification

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

Signature of Permittee: _____ Date Signed: _____
(Legally responsible person)

Name (printed): _____ Title: _____

40 CFR 122.22 Signatories to permit applications and reports.

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

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

KANSAS DEPARTMENT OF HEALTH & ENVIRONMENT

Municipal Programs Section
1000 SW Jackson Street, Suite 420
Topeka, Kansas 66612

