



***"Where Community Counts"***

# Storm Water Management Program

*Kansas Permit No. M-AR58-SU01  
Federal Permit No. KSR410017*

Adopted by the Governing Body  
January 18, 2021

The City of Maize (City or Permittee), Kansas has prepared this Storm Water Management Program (SWMP, SMP or Program) to outline the measures it will take to reduce the discharge of pollutants from the Municipal Separate Storm Sewer System (MS4) to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements and goals of the Clean Water Act.

## **HISTORY**

The City's Storm Water Management Program (SMP) was initiated in 2010 to comply with KDHE (Kansas Department of Health and Environment) reporting requirements for MS4 permits. This program operates using the legal authority as set forth in City Ordinance #806. In 2017, an updated SMP was submitted with minor modifications per permit requirements. This 2021 update is in response to the requirements of a new Kansas Permit No: M-AR58-SU01 that was issued on December 1, 2019 and which expires November 30, 2024. The permit itself is attached, incorporated and referenced as part of this document.

## **OVERVIEW**

This SMP addresses the permit requirements in the following Sections:

1. Best Management Practices (BMPs)
2. Measurable Goals to Assess the Effectiveness of the TMDL BMPs
3. Maps

### **Section 1: Best Management Practices (BMPs)**

The City of Maize will continue to implement BMPs as required and outlined in the permit. The City Administrator or their appointee will oversee compliance with the permit's new "point system." The selection of options to accrue the necessary points will be derived from the permit document each January and managed accordingly throughout the year. The annual report will document the City's implementation and point accrual status.

The specific requirements located on page 39, Section D, of the permit will be met in the following manner:

- a) Compliance with the permit's new BMP point system will be overseen by the City Administrator or his/her appointee. The permit itself outlines the various BMP options that the City may choose and the corresponding points received for each option. The City's selection of options to accrue the necessary points will be determined in January and managed per the permit instructions throughout the year. The options selected will align with organizational capacity and within budget. The annual report to KDHE will document the City's compliance.
- b) The description of non-structural options available to the City may be found within the permit itself
- c) Section I will be implemented within all legal boundaries of the City and Section II will be implemented to comply with requirements for associated

streams and/or lakes as specified in the current KDHE NPDES Permit and as identified in this Program.

- d) Design factors of any structural BMPs selected at the beginning of the year will be noted in the City's annual report.
- e) The effectiveness of the City's BMPs may be found in the International Storm water BMP Database (or on KDHE's webpage as noted in the permit).
- f) The schedule of construction and implementation for each permit year will be determined in January, managed through completion and documented in the annual KDHE report.
- g) The schedule of inspection and maintenance for chosen BMPs for each permit year will be determined in January, managed through completion and documented in the annual KDHE report.
- h) The schedule to monitor the effectiveness of the BMPs reduction of TMDL regulated pollutants for each permit year will be determined in January, managed through completion and documented in the annual KDHE report.

Below is a brief summary and requirements for BMPs for each of the Six Minimum Control Measures and Total Maximum Daily Load (TMDL) parameters as required by the permit. Actions and measures utilized but not documented in the SMP may be implemented throughout the permit years. Every BMP implementation will be documented in the Annual Report and will be counted towards goal point attainment.

#### Minimum Control Measure No. 1: Public Education and Outreach

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

*The implementation of this BMP must result in the accumulation of a minimum of 4 points as assigned by the permit for each calendar year 2021 and 2022. The point total requirement increases to 7 points for each calendar year beginning in 2023. A selection from the BMP options listed and described in the permit under Part 1, Section C.1 will satisfy the City's public education program requirements.*

#### Minimum Control Measure #2: Public Involvement and Participation

The City will continue to implement a public involvement and participation program to solicit public comment and recommendations regarding the BMPs and measureable goals utilized in this Program to comply with this permit. The City shall comply with State and local public notice requirements when implementing a public involvement and participation program.

*The implementation of this BMP must result in the accumulation of a minimum of 3 points as assigned by the permit for each calendar year 2021 and 2022. The point total requirement increases to 6 points for each calendar year beginning in 2023. A selection from the BMP options listed and described in the permit under Part 1, Section C.2 will satisfy the City's public involvement and participation requirements.*

### Minimum Control Measure #3: Illicit Discharge Detection and Elimination

The City will continue to:

- Develop, implement, and enforce a program to detect and eliminate illicit discharges into the MS4;
- Maintain a storm sewer system map;
- Enforce City Ordinance #806 to prohibit non-stormwater discharges into the storm sewer system as required by the current KDHE permit and implement appropriate enforcement procedures and actions.
- Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
- Develop and implement a plan to detect/inspect for and address prohibited non-stormwater discharges, including illegal dumping, to the storm sewer system.

*The implementation of this BMP must result in the accumulation of a minimum of 5 points as assigned by the permit for each calendar year 2021 and 2022. The point total requirement increases to 7 points for each calendar year beginning in 2023. A selection from the BMP options listed and described in the permit under Part 1, Section C.3 will satisfy the City's public involvement and participation requirements.*

### Minimum Control Measure #4: Construction Site Runoff Control

The City will continue to maintain a program to reduce pollutants in 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 activities disturbing less than one acre must be included in the program if that construction activity is a part of a larger common plan of development or sale that would disturb one acre or more. The program for construction site runoff control continues to include following:

- Maintain and enforce City Ordinance #806 to address post-construction runoff from new development and redevelopment projects to the extent allowable under State and local law.
- Maintain requirements for construction site owners or operators to implement appropriate erosion and sediment control best management practices.
- Maintain 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.
- Maintain procedures for site plan review which incorporate consideration of potential water quality impacts.
- Maintain procedures for receipt and consideration of information submitted by the public.
- Maintain procedures for site inspection and enforcement of control measures.

*The implementation of this BMP must result in the accumulation of a minimum of 4 points as assigned by the permit for each calendar year 2021 and 2022. The point total requirement increases to 6 points for each calendar year beginning in 2023. A selection from the BMP options listed and described in the permit under Part 1, Section C.4 will*

*satisfy the City's post-construction stormwater management in construction site stormwater runoff control requirements.*

#### Minimum Control Measure #5: Post-Construction Stormwater Management in New Development and Redevelopment Projects

The City will continue a post-construction stormwater management 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 are that are part of a larger common plan of development or sale, that discharge into the MS4. This program will include the following:

- Maintain a requirement for BMPs to prevent or minimize adverse water quality impacts.
- Maintain strategies which include a combination of structural and/or non-structural BMPs appropriate for the municipality.
- Maintain and enforce City Ordinance #806 to address post-construction runoff from new development and redevelopment projects to the extent allowable under State and local law.
- Ensure adequate long-term operation and maintenance of structural BMPs.

*The implementation of this BMP must result in the accumulation of a minimum of 5 points as assigned by the permit for each calendar year 2021 and 2022. The point total requirement increases to 7 points for each calendar year beginning in 2023. A selection from the BMP options listed and described in the permit under Part 1, Section C.5 will satisfy the City's post-construction stormwater management in new development and redevelopment projects requirements.*

#### Minimum Control Measure #6: Pollution Prevention/Good Housekeeping for Municipal Operations

The City will continue to 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.

*The implementation of this BMP must result in the accumulation of a minimum of 4 points as assigned by the permit for each calendar year 2021 and 2022. The point total requirement increases to 6 points for each calendar year beginning in 2023. A selection from the BMP options listed and described in the permit under Part 1, Section C.6 will satisfy the City's pollution prevention/good housekeeping for municipal operations requirements.*

#### Total Maximum Daily Load (TMDL) BMPs and Surface Monitoring

There is one listed associated stream or lake for the City's TMDL regulated parameter, the Big Slough. The BMP has a Measurable Goal, and the affected regulated parameter, as applied to the impacted watershed. This BMP will be implemented within the permit area wherever stormwater drains to the associated impaired stream or lake.

*The implementation of this BMP must result in the accumulation of a minimum of 4 points as assigned by the permit for each calendar year 2021 and 2022. The point total requirement increases to 6 points for each calendar year beginning in 2023. A selection from the BMP options listed and described in the permit under Part II, Section A will satisfy the City's TMDL BMP and Surface Monitoring requirements.*

**Section 2: Measureable Goals to Assess the Effectiveness of the TMDL BMPs**

The City of Maize will continue upstream and downstream sampling of the Big Slough within our permit area to measure the effectiveness of implemented BMPs. Comparison between the upstream and downstream results will be recorded, retained and documented in the Annual report per permit requirements.

**Section 3: Maps**

The City will continue to develop and maintain the following maps that illustrate:

- The permit area
- The locations of structural BMPs
- The location of TMDL stream monitoring
- The storm sewer collection system