

City of Bel Aire
Stormwater Management Program
2020 – 2025



Kansas Permit No. M-LA23-SU02

Federal Permit No. KSR410002

2020 – 2024 Stormwater Management Plan

City of Bel Aire, Kansas

Introduction

The City of Bel Aire, Kansas has prepared this Stormwater Management Program (SMP) 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, and the City's National Pollutant Discharge Elimination System (NPDES) Permit.

It is intended that this SMP, and all measures implemented herein, will reduce Total Maximum Daily Load (TMDL) pollutants, and all pollutants specified in the Permit within the entire MS4 service area. Therefore, all efforts undertaken in the 6 control measures listed in this SMP will apply toward reducing TMDL pollutants as well as non-TMDL pollutants.

This program has been submitted in compliance with the requirements of both the Kansas Water Pollution Control MS4 Permit No. M-LA23-SU01 that is required for the term beginning December 1, 2019 and expiring November 30, 2024. This program also operates using the legal authority as set forth in City Ordinance Chapter 14, and subsequent revisions.

Changes to this plan may be made as allowed by the Permit and approved by the Kansas Department of Health and Environment (KDHE). This program is implemented within areas of the City's legal jurisdiction, boundaries and on its own properties.

This program provides a list of Stormwater Best Management Practices (BMPs) that the City agrees to implement as required by the KDHE NPDES Permit. Each BMP will have goals and measurements to demonstrate compliance with the goals.

Other agencies and organizations may contribute to the implementation of these measures. Each of the contributions made by others as well as additional City actions will be documented in the Annual Report and will be counted towards goal attainment.

Six Minimum Control Measures

The Permittee shall continue to review, update and implement BMPs with measurable goals for each of the six minimum control measures. The six minimum control measures and requirements are as follows:

1. Public Education and Outreach

The permittee shall continue to 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.

- a. The implementation of BMPs for this minimum control measure must result in accumulation of a minimum of 4 points total on an annual basis for each calendar year 2021 and 2022. The point total requirement increases to 7 points for each calendar year beginning in 2023. The following table lists various BMPs, measurable goals, and the required timing-period or implementation-schedule to qualify for the points in the year.

| BMP Summary | Measurable Goal | Implementation Time Schedule, etc. | Responsible Staff |
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| <p>Lbmp P Ed & O – 01</p> <p>Maintain a stormwater webpage for the permittee.</p> | <p>Maintain the webpage with up to date information with all links effective and valid information. Check all links and update website as necessary on a minimum monthly basis. Document monthly checks in log book and indicate changes with logged summaries.</p> | <p>The webpage must be available throughout the year once it is posted and initially made available. In the initial year posted, it must be available for a minimum of 3 months to qualify for the points. In subsequent calendar years the points may be claimed if the webpage has been maintained throughout the twelve months.</p> | <p>City of Bel Aire Communications Department</p> |
| <p>Lbmp P Ed & O – 02</p> <p>Distribute educational materials (either flyers, brochures, catalog mailings, handouts, or e-mails) addressing various pertinent</p> | <p>Number of all flyers, brochures, catalog mailings, handouts, or e-mails distributed in a year shall equal or exceed the most recent</p> | <p>Either flyers, brochures, catalog mailings, handouts, or e-mails are to be distributed in at least two separate batches,</p> | <p>City of Bel Aire Communications Department</p> |

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| <p>Stormwater public education topics.</p> | <p>U.S. Census Bureau decennial housing units value for the permit area. The applicable U.S. Census housing units value shall be documented, and the number of flyers, brochures, or e-mails distributed shall also be documented. This information and copies of the flyers, brochures, or e-mails shall be retained on file.</p> | <p>ideally in separate seasons (either winter, spring, summer or fall). However, the required number of flyers, brochures, or e-mails must be distributed in a single calendar year and the points can be claimed for that year.</p> | |
| <p>Lbmp P Ed & O – 04</p> <p>Apply notification placard, covers/hatches with message, or stencil on Stormwater inlets to provide a message similar to “No Dumping – Drains to River”</p> | <p>Apply this notification to at least 10% of all known Stormwater inlets in the MS4.</p> | <p>The required number of placards, covers/hatches with message, or stencils must be placed within the year for which points are claimed. Alternately points may be claimed in any subsequent year when 5% of all known Stormwater inlets in the MS4 bear the placard, covers/hatches with message or stencil.</p> | <p>City of Bel Aire Public Works Department</p> |
| <p>Lbmp P Ed & O – 05</p> <p>Post the municipality’s MS4 permit and SMP document on either the Stormwater webpage or the municipal webpage.</p> | <p>These two documents must be posted for at least six months of the year to claim one point.</p> | <p>Months for which the posting occurs must be within the year for which points are claimed. No “carryover” of months from one year to the next.</p> | <p>City of Bel Aire Communications Department</p> |
| <p>Lbmp P Ed & O – 06</p> <p>Provide either a Stormwater telephone</p> | <p>Respond to all reported complaints within 10</p> | <p>The hotline/reporting system must be</p> | <p>City of Bel Aire Communications</p> |

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| <p>hotline or web-based or text message method for public reporting of illicit discharges.</p> | <p>days and, if found valid, resolve or establish a schedule for resolution within 20 days. Actual resolution may take more than 20 days, but the schedule for resolution must be finalized and the efforts to implement resolution must begin within 20 days following the complaint. Document complaints and response/resolution process for all complaints received in the year.</p> <p>Resolution of an illicit discharge can include, but is not limited to; elimination of the discharge; on-site treatment to allow discharge to the MS4 (normally requires an NPDES permit); redirecting the discharge to a location that is not considered illicit, i.e., sanitary sewer or to holding tanks to allow the waste to be hauled off for appropriate treatment, reuse/recycle or disposal.</p> | <p>available to the public for at least six months in the year to claim the points.</p> | <p>Department/Code Enforcement</p> |
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2. Public Involvement/Participation

The permittee shall continue to implement a public involvement and participation program to solicit public comments and recommendations regarding the BMPs 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.

- a. The implementation of BMPs for this minimum control measure must result in accumulation of a minimum of 3 points total on an annual basis for each calendar year 2021 and 2022. The point total requirement increases to 6 points for each calendar year beginning in 2023. The following table lists various BMPs, measurable goals, and the required timing-period or implementation-schedule to qualify for the points in the year.

| BMP Summary | Measurable Goal | Implementation Time Schedule, etc. | Responsible Staff |
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| <p>Lbmp P I/P – 02</p> <p>Establish a citizens advisory committee.</p> | <p>Host the citizens advisory committee meetings twice yearly and receive comments and guidance from the committee regarding the SMP. Retain on file copies of the attendance list and minutes of the meetings.</p> | <p>The citizens advisory committee must hold at least two meetings in the year which points are claimed.</p> | <p>City of Bel Aire Public Works Department</p> |
| <p>Lbmp P I/P – 03</p> <p>Hold park or stream bank clean-up events for public volunteers to aid municipal staff in removing trash, debris or pollutant sources from the selected clean-up area.</p> | <p>Clean an area which must be equal to or greater than one acre or alternately at least 200 yards of streambank.</p> <p>Alternately, for municipalities with less than 500 population clean an area which must be equal to or greater than a quarter of an acre or alternately at least 100 feet of streambank.</p> | <p>At least one such clean-up activity must occur in the year for which points are claimed.</p> | <p>City of Bel Aire Public Works Department</p> |
| <p>Lbmp P I/P – 07</p> <p>Enact either an ordinance, a resolution, or other enforceable requirement that requires pet owners or their keepers to immediately and</p> | <p>The ordinance or resolution or other enforceable measure shall be enacted, and signs posted informing the public of their obligation at the park. The installation of a pet waste bag dispenser in the public area</p> | <p>In the year the Measureable Goal requirement is implanted the point may be claimed and for each year thereafter.</p> | <p>City of Bel Aire Public Works Department</p> |

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| properly dispose of their pet's solid waste deposited at parks or rest areas owned by the permittee. | qualifies as adequate signage. | | |
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3. Illicit Discharge Detection and Elimination

The permittee shall:

- a. Continue to implement and enforce a program to detect and eliminate illicit discharges into the MS4.
- b. The implementation of BMPs for this minimum control measure must result in accumulation of a minimum of 5 points total on an annual basis for calendar years 2021 and 2022. The point total requirement increases to 7 points for each calendar year beginning in 2023. The following table lists various BMPs, measurable goals, and the required timing period or implementation schedule to qualify for the points in the year.

| BMP Summary | Measurable Goal | Implementation Time Schedule, etc. | Responsible Staff |
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| <p>Lbmp I D D & E – 04</p> <p>Implement a program to evaluate MS4 outfalls to identify illicit discharges. Inspect at least 5% of the known MS4 outfalls during a calendar year and evaluate the ones which have dry weather discharges. Evaluate the water quality of the dry weather discharges to recognize non-stormwater contributions and trace the source of any illicit discharges.</p> | <p>When at least 5% of the known MS4 outfalls are inspected and for which at least one outfall was identified as discharging (entirely or partially) flow from an illicit discharge, the allotted points may be claimed in the year when the illicit discharge is eliminated. Document the MS4 outfalls inspected, the outfalls with dry weather discharges and the MS4 outfalls associated with illicit discharges.</p> | <p>The evaluation of a group of at least 5% of the known MS4 outfalls may be completed all in one year or may occur in up to two consecutive years and a point may be claimed. The larger number of points may be claimed only for the year in which the illicit discharge(s), associated with this group of evaluated outfalls is/are eliminated.</p> | <p>City of Bel Aire Public Works Department</p> |
| <p>Lbmp I D D & E – 07</p> <p>Implement a Household Hazardous Waste Collection Program (HHWCP) or</p> | <p>Document that residents and property owners within the MS4 permit area were able</p> | <p>The property owners or residents located within the permit area must be able to</p> | <p>City of Bel Aire Communications Department.</p> |

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| <p>document others have implemented such a program to provide such service to all property owners or residents located within the permit area.</p> | <p>to dispose of such wastes at the HHWCP during a calendar year. Retain this documentation on file.</p> | <p>dispose of waste accepted by the HHWCP throughout a calendar year. Points may be claimed for any such year.</p> | |
| <p>Lbmp I D D & E – 08</p> <p>Implement a program to increase the reliability of sanitary sewer pump stations above the minimum standard design requirements.</p> | <p>A pump station shall be upgraded to include the following:</p> <ul style="list-style-type: none"> - A dedicated on-site standby generator shall be installed (with automatic transfer switch) for use when main line power fails. - A dialer system, or telemetry system, or connection to a SCADA system shall be installed to provide real time or nearly real time notification of failures at the pump station which can potentially lead to sanitary sewer overflow. - The permittee shall purchase and maintain for immediate operation a trailer mounted motor driven sewage pump | <p>In the year all improvements, as listed under measureable goals, are installed and ready for operation the points may be initially claimed and in subsequent years these improvements remain operational points may be claimed.</p> | <p>City of Bel Aire Public Works Department</p> |

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| | <p>for use when the pump station fails to operate. The motor driven pump shall be sized to pump at a rate at least equal to the firm pumping capacity of any sanitary sewer pump station that the permittee claims points for under this BMP.</p> <p>The pump station shall be modified to facilitate the connection of the trailer mounted pump discharge to the force main and convenient installation for the suction line from the trailer mounted pump into the wet well.</p> | | |
| <p>Lbmp I D D & E – 10</p> <p>Inspect 5% of the MS4 system Stormwater inlets and/or outfalls within the permit area all conducted within a 12-month period to aid in identifying illicit discharges. If in a 12-month period 15% of</p> | <p>Generate a summary report of the inspection including the number of inlets and/or outfalls visually inspected, condition comments, illicit discharges identified and the results of</p> | <p>The inspection process can occur in a single calendar year or may be conducted over a period extending from one year into the succeeding year. Points may be claimed in the year when</p> | <p>City of Bel Aire Public Works Department</p> |

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| the MS4 system inlets and/or outfalls are inspected a higher point value may be claimed in the year the required percentage of inspections are completed. | efforts to eliminate illicit discharges, e.g., discharge line disconnected and redirected to the sanitary sewer or discharge practice terminated. | televised and/or visual inspection of this portion of the MS4 system (either 2% or 15%) is completed. | |
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4. Construction Site Stormwater Runoff Control

The permittee shall continue to maintain 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 pollutant discharge associated with Stormwater 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, at a minimum, the following:

- a. The implementation of BMPs for this minimum control measure must result in the accumulation of a minimum of 4 points total on an annual basis for each calendar year 2021 and 2022. The point total requirement increases to 6 points for each calendar year beginning in 2023. The following table lists various BMPs, measurable goals, and the required timing period or implementation schedule to qualify for the points in the year.

| BMP Summary | Measurable Goal | Implementation Time Schedule, etc. | Responsible Staff |
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| Lbmp C S S R C – 01 Implement a requirement for a Soil Erosion and Sediment Control (SESC) Plan for any land disturbance sites which are either equal to or greater than 1 acre or for which there is construction activity disturbing less than one acre which is part of a larger common plan of development or sale that in total disturbs one acre or more. | Enact a regulatory ordinance, or other enforceable measure that requires an SESC Plan for all developments disturbing sites which are either equal to or greater than one acre or for which there is construction activity disturbing less than one acre which is part of a larger common plan of development or sale that in total disturbs one acre or more. | Points may be claimed in the year the ordinance/enforceable requirement first becomes effective, and for each full calendar year thereafter for which the ordinance/enforceable requirement remains effective. | City of Bel Aire Public Works Department |
| Lbmp C S S R C – 02 Develop and adopt a design manual for | Require implementation of | Points may be claimed for the year which the | City of Bel Aire Public Works Department |

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| <p>erosion and sediment control BMPs which are required to be used on sites which will be disturbed and are either equal to or greater than 1 acre or for which there is construction activity disturbing less than one acre which is part of a larger common plan of development or sale that in total disturbs one acre or more.</p> | <p>BMPs in compliance with the design manual on all sites which meet the disturbed area standard as specified in the BMP summary.</p> | <p>manual is initially adopted and implemented, and a reduced number of points may be claimed for subsequent years in which the manual remains implemented.</p> | |
| <p>Lbmp C S S R C – 05</p> <p>Establish effective requirements for construction sites to control wastes. Develop through ordinance or other enforceable means requirements for construction site Operators or owners to control wastes. At a minimum control shall be imposed to prevent entry into the MS4 for the following wastes:</p> <ul style="list-style-type: none"> - Discarded building materials - Concrete truck washout chemicals - Litter - Sanitary waste | <p>Enact ordinance or other effective means to achieve control of wastes at construction sites.</p> | <p>Points may be claimed in the year of enactment. Also points may be claimed in each subsequent year the method of effective control of construction site waste remains in effect.</p> | <p>City of Bel Aire Public Works Department/Code Enforcement</p> |
| <p>Lbmp C S S R C – 06</p> <p>Develop written procedures for inspection of construction sites. Develop a Stormwater</p> | <p>The procedures document must address the administrative aspects associated with required inspections of construction sites, the</p> | <p>Development of the written procedures and the Inspection Guide can occur in any year. Initial implementation can allow points to be claimed in that year</p> | <p>City of Bel Aire Public Works/Building Inspection</p> |

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| <p>Construction Site Inspection Guide for use by municipal inspectors.</p> | <p>issuance of inspection reports, notices of violations, and enforcement actions. The Inspection Guide must provide inspectors guidance on how to conduct a construction site Stormwater inspection, the required procedures, and guidance on acceptable conditions of various BMPs employed on such sites, enforcement actions and/or reference of cases for enforcement by other municipal staff, guidance on photo log of the inspection and inspection checklists for use by the inspector.</p> | <p>and continued implementation can allow points to be claimed in subsequent years.</p> | |
| <p>Lbmp C S S R C – 07</p> <p>Acquire or develop a software tracking system to track inspections and related tasks.</p> | <p>The tracking system must allow for scheduling inspections and follow-up activities such as re-inspections, mailing notices or reports, etc.</p> | <p>A point can be claimed in the initial year the software tracking system is implemented and each year thereafter it is utilized.</p> | <p>City of Bel Aire Public Works/Building Inspection</p> |

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

The permittee shall continue to maintain 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 or sale, that discharge into the MS4. The program must include, at a minimum, all of the following:

- a. The implementation of BMPs for this minimum control measure must result in accumulation of a minimum of 5 points total on an annual basis for each calendar year 2021 and 2022. The point total requirement increases to 7 points for each calendar year beginning in 2023. The following table lists various BMPs, measurable goals, and the required timing period or implementation schedule to qualify for the points in the year.

| BMP Summary | Measurable Goal | Implementation Time Schedule, etc. | Responsible Staff |
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| <p>Lbmp P-C S M – 01</p> <p>Develop and adopt a custom design manual for Post-Construction Stormwater Management which specifies various structural BMPs which are required for new development and re-development construction sites which are greater than 1 acre or for which there is construction activity disturbing less than 1 acre which is part of a larger common plan of development or sale that in total disturbs one acre or more.</p> <p>Alternately, adopt and implement the APWA 5600 Stormwater Design Criteria and the MARC.APWA BMP Manual</p> | <p>The custom design manual shall impose requirements to achieve at least one of the following standards:</p> <ul style="list-style-type: none"> - Capture, at least, the first 0.5 inches of precipitation on the development/re-development site and utilize methods to prevent discharge off-site, including but not limited to: <ul style="list-style-type: none"> - Retain on-site - Infiltrate - Evaporate - Transpire or - Beneficially reuse - Through implementation of appropriate BMP(s) reduce the peak stormwater flow rate to a value equal to or less than the rate which would be experienced on the site prior to the development/re-development project based upon modeling a standard storm event, e.g. 1.0 inch – 6-hour event assuming saturated soil conditions. | <p>Development of the design manual can occur in any year. Initial implementation can allow points to be claimed in that year and continued implementation can allow points to be claimed in subsequent years.</p> | <p>City of Bel Aire Public Works Department/Building Inspection</p> |

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| | <ul style="list-style-type: none"> - Other sizing or detention standards generally accepted by design engineers as adequate for the permittee's local. <p>As an alternative to a custom design manual the APWA 5600 Stormwater Design Criteria and the MARC.APWA BMP Manual may be adopted and implemented.</p> <p>Measures must be included to enforce the installation of the various structural BMPs required.</p> | | |
| <p>Lbmp P-C S M – 02</p> <p>Develop a list of post-construction structural or non-structural BMPs which are required to be incorporated in any development/re-development project. The list must include guidance regarding the BMPs which must be incorporated in various projects as determined appropriate by the permittee. The list is to be provided to entities involved with the design of projects prior to site plan review by the permittee.</p> | <p>Development and implementation of the list and guidance is necessary to claim points in the first year. The list of required BMPs must be enforceable through ordinance or other means.</p> | <p>Development of the list and guidance can occur in any year. Initial implementation can allow points to be claimed in that year and continued implementation can allow points to be claimed in subsequent years.</p> | <p>City of Bel Aire Public Works Department</p> |
| <p>Lbmp P-C S M – 03</p> <p>Develop and implement a program to ensure adequate long-term cleaning,</p> | <p>The program shall be detailed in a written document and made available to all pertinent maintenance staff.</p> | <p>Development of the program can occur in any year.</p> <p>Initial implementation can</p> | <p>City of Bel Aire Public Works Department</p> |

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| <p>operation and maintenance of all municipally owned or operated post-construction structural Stormwater BMP facilities. The program shall address several different types of these BMP systems. The systems, which are addressed, shall include any type of post-construction structural BMP system, contained in the MS4. These shall include, if so present, at a minimum the following:</p> <ul style="list-style-type: none"> - Detention ponds - Retention ponds - Grass swales - Pervious paving systems - Wetlands - Vegetative filter strips - Manufactured Stormwater treatment devices (swirl separators, screens, etc.) - Drop inlet – catch basin | | <p>allow points to be claimed in that year and continued implementation can allow points to be claimed in subsequent years.</p> | |
| <p>Lbmp P-C S M – 05</p> <p>Develop and implement a program for inspection of permittee owned structural BMPs which includes implementation of needed maintenance</p> | <p>The program shall require inspection of at least 10% of the structural BMPs on an annual basis.</p> <p>Identified maintenance activities shall be competed:</p> | <p>The program shall be developed and implemented within a single year.</p> | <p>City of Bel Aire Public Works Department</p> |

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| <p>to ensure long-term operation of the BMPs</p> | <ol style="list-style-type: none"> 1. In the same year of inspection or 2. Completed as dictated by the permittee's maintenance/O&M plan 3. Or a written plan for completion of the necessary maintenance shall be completed in the same year of inspection with the objective for completion of the maintenance activity within 18 months. | | |
| <p>Lbmp P-C S M – 06</p> <p>Develop and implement a program for inspection of known privately owned structural BMPs which includes providing the owner of the BMPs an inspection report which specifies needed maintenance to ensure long-term operation of the BMPs.</p> | <p>The program shall require inspection of at least 10% of the known privately owned structural BMPs on an annual basis.</p> <p>Identified maintenance activities shall be completed in the same year of inspection or a written plan for completion of the necessary maintenance shall be completed in the same year of inspection with the objective for completion of the maintenance activity within 18 months.</p> | <p>The program shall be developed and implemented in a single year.</p> | <p>City of Bel Aire Public Works Department.</p> |

6. **Pollution Prevention/Good Housekeeping for Municipal Operations**
The permittee shall 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.

- a. The implementation of BMPs for this minimum control measure must result in accumulation of a minimum of 4 points total on an annual basis for each calendar year 2021 and 2022. The point total requirement increases to 6 points for each calendar year beginning in 2023. The following table lists various BMPs, measurable goals, and the required timing-period or implementation schedule to qualify for the points in the year.

| BMP Summary | Measurable Goal | Implementation Time Schedule, etc. | Responsible Staff |
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| <p>Lbmp P P/G H – 02</p> <p>Implement a recycle and proper waste disposal program for municipal staff to reduce potential for litter, to recycle waste oil, batteries, glass containers, plastic containers, and paper products.</p> | <p>A log of the materials directed to recycle shall be maintained. Entries in the log shall record either weight or volume of recycle materials removed from the containers and transported to the recycle facility as well as the date of the transport.</p> | <p>Recycle containers shall be available for staff use all days of the year in which points are claimed.</p> | <p>City of Bel Aire Management</p> |
| <p>Lbmp P P/G H – 03</p> <p>Develop a guidance document for municipal staff or third-party contractors which apply pesticides. The guidance shall require any municipal staff, who apply restricted use pesticides, to have a commercial applicator certification from the Kansas Department of Agriculture if required by that Department.</p> | <p>Require staff which apply pesticides to use such pesticides in compliance with the guidance document. The guidance document must require use of pesticides in compliance with the label instructions.</p> | <p>The guidance document must be finalized and implemented in the year which points are initially claimed.</p> | <p>City of Bel Aire Public Works Department</p> |
| <p>Lbmp P P/G H – 05</p> <p>Implement a program for street sweeping in which the street sweepings are collected and disposed of properly or recycled/reused if possible.</p> | <p>All paved streets which can be swept shall be listed in the schedule for street sweeping. A log shall be maintained listing the street segments which are swept and, dates of sweeping and where</p> | <p>At least 10% of the streets which are listed in the street sweeping schedule must be swept at least once a year to claim points for that year.</p> | <p>City of Bel Aire Public Works Department</p> |

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| | <p>the street sweepings are disposed or where the material was sent to be recycled and/or reused.</p> | <p>In years when street sweeping equipment is purchased for use by the permittee additional points may be claimed.</p> | |
| <p>Lbmp P P/G H – 06</p> <p>Develop an employee training program to ensure permittee’s staff understand what actions they can take in the workplace to minimize Stormwater pollution</p> | <p>Provide guidance documents in the form of either fact sheets, flyers or e-mails to staff to coach them in appropriate actions they can take while working to minimize Stormwater pollution.</p> <p>Alternately, provide in-person training or videos with sign-in-sheets for signature documentation of personal or video training.</p> <p>Retain copies of the guidance documents and/or sign-in-sheets.</p> <p>A log when the guidance was distributed, or training was provided to staff should be maintained.</p> <p>Provide appropriate guidance and/or training to staff a minimum of twice per year.</p> | <p>For each year in which staff receive guidance documents or in-person training or video training on two separate dates, points may be claimed for the year.</p> | <p>City of Bel Aire Public Works Department.</p> |
| <p>Lbmp P P/G H – 07</p> <p>Implement a program to inspect Stormwater inlets to identify illicit discharges and clean</p> | <p>Inspect at least 5% of all inlets annually.</p> <p>Additionally, if 10% of all inlets are inspected</p> | <p>For each year in which staff inspect at least 5% of all Stormwater inlets at least one point may be claimed.</p> | <p>City of Bel Aire Public Works Department</p> |

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| <p>drop inlets of accumulated debris.</p> | <p>in a year, an additional point may be claimed.</p> <p>For any inlets which have evidence of dumped paint, oil or other substances which are considered illicit discharges, follow up with efforts to educate individuals near the impacted inlet about illicit discharges.</p> <p>For inlets which have any accumulation of debris, remove the debris for proper disposal.</p> | | |
| <p>Lbmp P P/G H – 08</p> <p>Develop, implement and keep updated an online storm sewer map accessible to the public.</p> | <p>Map shall cover the entire MS4 within the permit area and include all the MS4 lines both pipe and open drainage (i.e. ditches) and shall also illustrate all impaired waterways (i.e. 303(d) listed and TMDL listed streams/rivers) with an indication of the listed impairment.</p> | <p>For each year in which the map is posted online points may be claimed. In the first year the map is posted it must be posted for at least 6 months for points to be claimed.</p> | <p>City of Bel Aire Public Works Department</p> |

E. Total Maximum Daily Load (TMDL) Regulated Pollutants

The Permittee shall continue to review, update, implement and develop, when necessary, structural and non-structural BMPs which will reduce to the Maximum Extent Practicable the discharge of the TMDL regulated pollutants from the MS4 as listed in Part II

The effort to reduce the discharge of TMDL regulated pollutants is anticipated to be an iterative process with changes in the SMP periodically, generally not more frequently than annually, possibly every two or three years. This “adaptive management” type process is recommended to attenuate the discharge of TMDL regulated pollutants listed in the TMDL Table f Part II of this permit.

PART II TOTAL MAXIMUM DAILY LOAD (TMDL) BEST MANAGEMENT PRACTICES AND SURFACE WATER MONITORING

Permittees who are required to complete storm event monitoring of surface waters, i.e., streams or rivers, (see TMDL Table and associated text) shall report the results of this storm event monitoring with the eDMR reporting system.

A. TMDL BMP IMPLEMENTATION REQUIREMENTS

The implementation of BMPs for this minimum control measure must result in accumulation of a minimum of 4 points total on an annual basis for each calendar year 2021 and 2022. The point total requirement increases to 6 points for each calendar year beginning in 2023. The following table lists various BMPs, measurable goals, and the required timing-period or implementation schedule to qualify for the points in the year.

| BMP Summary | Measurable Goal | Implementation Time Schedule, etc. | Responsible Staff |
|--|--|--|---|
| <p>Lbmp T M D L – 01</p> <p>Install pet waste stations which include a glove/bag dispenser with signage and waste can to encourage pet waste disposal at either parks, trails, rest areas or other public lands owned by the permittee.</p> | <p>At least one pet waste station shall be installed at the selected park, trail, rest area or other public land. The station(s) shall include signage which encourages proper pet waste disposal/cleanup and a waste can.</p> | <p>In the year the Measureable Goal requirement is implemented the point may be claimed and for each year thereafter the pet waste stations remain in use.</p> | <p>City of Bel Aire Public Works Department</p> |
| <p>Lbmp T M D L – 05</p> <p>Develop a pet waste brochure or flyer document to educate the public about animal waste contamination of Stormwater. The document encourages pet owners to pick up their pet’s waste.</p> <p>Alternately, post the document on social media or the municipal website.</p> | <p>The brochures or flyers are to be posted in various public buildings and distributed to the public throughout the year. In the year the number of documents shall equal or exceed the most recent U.S. Census Bureau decennial housing units value for the permit area. The applicable U.S. Census housing units value shall be documented, and the</p> | <p>The documents may be distributed in any fashion and at any time throughout the year.</p> <p>Documents posted on website(s) shall be posted for at least six months in the year. Documents posted on social medial shall be posted six times within the year points are claimed.</p> | <p>City of Bel Aire Communications Department</p> |

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|---|---|---|---|
| | <p>number of documents distributed shall also be documented. This information and copies of the documents shall be retained on file.</p> <p>Documents posted to social media or the website shall have the page copied and printed to retain on file.</p> | | |
| <p>Lbmp T M D L – 06</p> <p>Distribute “Only Rain Down the Drain” door hangers or similar document</p> | <p>Provide in portions of the permit area with suspected illicit discharges. In the year the number of documents distributed shall equal or exceed 10% of the most recent U.S. Census Bureau decennial housing units value for the permit area. The applicable U.S. Census housing units value shall be documented, and the number of documents distributed shall also be documented. This information and copies of the documents shall be retained on file.</p> | <p>The documents may be distributed in any fashion and at any time throughout the year.</p> <p>Alternately, the document may be posted to social media (at least three times in the year) or posted on the municipal website for a minimum of three months in the year to qualify for the points.</p> | <p>City of Bel Aire Communications Department</p> |
| <p>Lbmp T M D L – 07</p> <p>Inspect 10% of all known MS4 outfalls for dry weather discharges either annually or twice per year to identify potential illicit discharges.</p> | <p>Complete inspection of all known MS4 outfalls either annually or twice per year during dry weather periods. If dry weather discharge is found, follow-up with investigation to determine if a portion of all the discharge is</p> | <p>The inspections must be conducted either annually or if twice per year, they must be seasonal within the same calendar year (winter, spring, summer and fall). Points can be claimed for that year. In</p> | <p>City of Bel Aire Public Works Department</p> |

| | | | |
|--|--|--|--|
| | illicit. Document the findings and initiate efforts to eliminate any identified illicit discharges. | addition, if an illicit discharge is detected and eliminated in association with this inspection program additional points may be claimed in the year detected or in the year the discharge is eliminated. | |
| Lbmp T M D L – 09 | | | |
| Implement a program to collect and properly dispose of litter, on four separate occasions per calendar year, within areas where littering has been identified as a problem. Such areas may include municipal parks, trails, rest areas or other public lands owned by the permittee. | The four litter collection efforts should, but are not required to, occur seasonally, i.e., winter, spring, summer and fall. If it is unreasonable to collect litter in any season, the required four collection efforts may occur in either three seasons or in a minimum of two seasons. | The four collection efforts must occur in a calendar year. | The City of Bel Aire Public Works Department |

PART IV. PERMIT COMPLIANCE ACTIVITIES AND SCHEDULES

A. Year 2019:

The required update to the Stormwater management program (SMP) document, as required in PART 1 B. Updated Stormwater Management Program document, should be considered in 2019 and planning initiated for allocating time and effort to complete this task to update the SMP document prior to the submission deadline in 2021.

Permittees are required to complete TMDL storm event monitoring of streams shall report results via the eDMR reporting process for all monitoring within a calendar year by no later than January 28 of the following year.

Within 100 days following the effective date of this permit the permittee must submit the required information regarding the wet weather surface water monitoring locations as addressed in PART II, B, 1 Monitoring Requirements.

The Annual Report for calendar year 2018 must be submitted to KDHE between January 1 and February 28, 2019.

B. Year 2020:

Any remaining tasks necessary to complete the update of the SMP should be completed in 2020.

Permittees required to complete TMDL storm event monitoring of streams shall report results via the eDMR reporting process for all monitoring within a calendar year by no later than January 28 of the following year.

The Annual Report for calendar year 2019 must be submitted to KDHE between January 1 and February 28, 2020.

C. Year 2021:

The updated SMP document must be submitted to KDHE with the 2020 Annual Report between January 1 and February 28, 2021.

The permittee must implement sufficient listed BMPs to achieve minimum point requirements for each year beginning in 2021.

Permittees required to complete TMDL storm event monitoring of streams shall report results via eDMR reporting process for all monitoring within a calendar year by no later than January 28 of the following year.

The Annual report for the calendar year 2020 must be submitted to KDHE between January 1 and February 28, 2021.

D. Year 2022:

Permittees required to complete TMDL storm event monitoring of streams shall report results via eDMR reporting process for all monitoring within a calendar year by no later than January 28 of the following year.

The permittee must implement sufficient listed BMPs to achieve minimum point requirements for each year beginning in 2022.

The Annual report for the calendar year 2021 must be submitted to KDHE between January 1 and February 28, 2022.

E. Year 2023:

Permittees required to complete TMDL storm event monitoring of streams shall report results via eDMR reporting process for all monitoring within a calendar year by no later than January 28 of the following year.

The permittee must implement sufficient listed BMPs to achieve minimum point requirements for each year.

By February 28, 2023, provide a report (in PDF format) on effectiveness of source controls and structural BMPs to attenuate pollutant discharge and achieve the measurable goals. And if the TMDL Table in PART II lists TMDL Regulated Pollutants and the permittee is required to conduct surface water monitoring of specific impaired streams, this report must also summarize water quality data from in stream monitoring sites. This report must be submitted to KDHE along with the Annual Report for 2022.

The Annual Report for calendar year 2022 must be submitted to KDHE between January 1 and February 28, 2023.

F. Year 2024:

Permittees required to complete TMDL storm event monitoring of streams shall report results via the eDMR reporting process for all monitoring within a calendar year by no later than January 28 of the following year.

The permittee must implement sufficient listed BMPs to achieve minimum point requirements for each year.

The Annual Report for calendar year 2023 must be submitted to KDHE between January 1 and February 28, 2024.

Wet Weather Monitoring

Wet weather monitoring is the responsibility of the City of Bel Aire’s Public Works Department and will occur as described in the Permit.

TMDL Table

Total Maximum Daily Loads, TMDLs, are established for waters found on the CWA Section 303d list of impaired waters. The purpose of the TMDL is to define the necessary and allowable pollutant load that may enter those impaired waters, so those waters attain a condition that fully supports all their designated uses. The TMDL then allocates portions of that allowable load among the likely point and non-point sources discharging the pollutant into the water or its watershed. Implementation of the TMDL by the NPDES and 319 programs brings about reductions in current loading from those sources through numeric goals or narrative actions to the allowable level allocated to each specific source.

| TMDL Regulated Pollutant | Specific Impaired Stream(s) to Target |
|---------------------------------|--|
| Bacteria | East Chisholm Creek |
| Nutrients | East Chisholm Creek |
| Sediment | East Chisholm Creek |

The required surface water monitoring locations* and their EDMR codes are identified as follows:

| SURFACE WATER MONITORING LOCATIONS | | | |
|---|-----------------|--|-----------------------|
| Local Site Name | Local ID | Location Description | KDHE EDMR Code |
| Upstream Site | No. 1 | East Chisholm Creek at 53 rd Street | 53S001A6 |
| Downstream Site | No. 2 | East Chisholm Creek at 45 th Street | 45S001B6 |

* Note – Monitoring locations may change with KDHE approval.

| Local Site Name | Upstream | Downstream |
|---------------------------------------|---|---|
| Local Site Identifier | 1609068-01 | 1609068-02 |
| Sample Location Description | E. 53 rd St. N Between Rock Road and Lycee St. | E. 45 th St N. Between Rock Road and Elk Creek Drive |
| KDHE EDMR Code if Known | ECC53001A6 | ECC45001B6 |
| Lat/Long Data Decimal & Degree Format | | |
| Latitude | 37.7669 | 37.7814 |
| Longitude | -97.2475 | -97.2424 |



Upstream Site: E 53rd St. N Bridge (S Side of Road)
Latitude 37.669
Longitude -97.2475



Downstream Site: E 45th St. N Bridge (N Side of Road)
Latitude 37.814
Longitude -97.2424