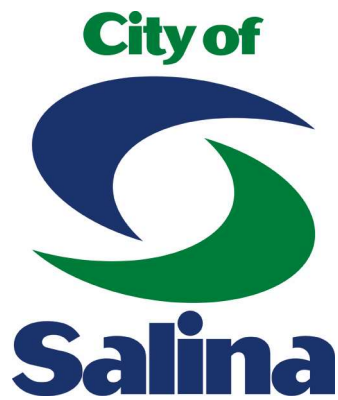


City of Salina, Kansas

Stormwater Management Program 2021-2024



Kansas Permit No. M-SH33-SN01

Federal Permit No. KSR044018

February 2021

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Stormwater Management Program 2021-2024

City of Salina, Kansas

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The City of Salina (City or Permittee), Kansas has prepared this Stormwater 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, and the City's National Pollutant Discharge Elimination System (NPDES) Permit.

This Program has been submitted in compliance with the requirements of both the Kansas Water Pollution Control MS4 Permit No. M-SH33-SN01 and Federal Permit No. KSR044018 that is required for the term beginning November 1, 2019, and expiring October 31, 2024. This Program also operates using the legal authority as set forth in City Code Chapter 24 Article II and Article III, 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 properties.

This Program provides a list of stormwater Best Management Practices (BMPs) that the City of Salina agrees to implement as required by the KDHE NPDES Permit. Each BMP will have goals and measurements to demonstrate compliance with the goals. There are two sections of this Program as follows:

- Section I - BMPs for Six Minimum Control Measures as required by KDHE NPDES Permit; and
- Section II – BMPs for Total Maximum Daily Load (TMDL) Parameters as required by KDHE NPDES Permit Part III for specifically listed associated streams.

Section I and II will be implemented within all legal boundaries of the City and Section III will be implemented to comply with requirements for associated streams as specified in the current KDHE NPDES Permit and as identified in this Program.

Other agencies and organizations may contribute to the implementation of these measures. Also, actions and measures utilized but not documented in the SMP may be implanted throughout the permit years. 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. All education programs and actions taken throughout the year shall count as activities towards compliance with this Program. Each year thereafter will follow the Program as identified in this document.

Section I - BMPs for Six Minimum Control Measures (MCM)

Minimum Control Measure No. 1: Public Education and Outreach

The City will 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 water bodies and the steps the public can take to reduce pollutants in stormwater runoff. Each BMP listed below will describe a part of the City's public education program and will list how its completion will be measured.

- A. Lbmp P Ed & O – 01: Maintain a stormwater webpage for the permittee.

Measurable Goal: 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.

- B. Lbmp P Ed & O – 04: Apply notification, placard, covers/hatches with message, or stencil, on stormwater inlets to provide a message similar to “No Dumping – Drains to River”

Measurable Goal: Apply this notification on at least 10% of all known stormwater inlets in the MS4.

- C. Lbmp P Ed & O – 05: Post the municipality's MS4 permit and SMP document on either the stormwater web page or the municipal webpage.

Measurable Goal: The two documents must be posted for at least six months of the year to claim one point.

- D. Lbmp P Ed & O – 06: Provide either a stormwater telephone hotline or web based or text message method for public reporting of illicit discharges.

Measurable Goal: Respond to all reported complaints within 10 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 receipt of complaint. Document complaints and response/resolution process for all complaints received in the year.

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 the discharge 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.

Minimum Control Measure #2: Public Involvement and Participation

The City will implement a public involvement and participation program to solicit public comment and recommendations regarding the BMPs and measurable goals utilized in this Program to comply with this permit.

- A. Lbmp P I/P – 03: 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.

Measurable Goal: Clean an area which must be equal to or greater than one acre or alternately at least 200 yards of streambank.

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.

- B. Lbmp P I/P – 05: Provide at least two events for residents to engage in cleanup activities and improve water quality in the municipality

Measurable Goal: Provide at least two events in streams, streamside parks, areas adjacent to public waterways, and/or other green infrastructure/water resources. These events can be any of the following: Environmental restoration events, stream cleanups, tree plantings, or stream monitoring.

- C. Lbmp P I/P – 09: Distribute stormwater educational materials to the public within this permit area. Alternately, the permittee may provide stormwater educational materials, e.g. brochures, flyers, or pamphlets. These materials may address various stormwater topics. For this alternative these materials may be provided to other nearby municipalities for distribution to the public. The nearby municipalities must be within 30 miles from this permit area.

Measurable Goal: The educational materials, for each topic, which are distributed or supplied must have a value of at least \$50. Topics may be anything related to stormwater including but not limited to clean-up guidance following flooding, discouraging littering, explaining and discouraging illicit discharges to the storm sewers, guidance on constructed BMPs for home owners (rain gardens, rain barrels, etc.) guidance on area household hazardous waste receiving centers, and guidance on area recycling programs.

Minimum Control Measure #3: Illicit Discharge Detection and Elimination

The City agrees to:

- Develop, implement, and enforce a program to detect and eliminate illicit discharges into the MS4;
 - 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;
 - Enact an ordinance to prohibit non-stormwater discharges into the storm sewer system as required by the current KDHE permit and implement appropriate enforcement procedures and actions (a copy of the most recently adopted ordinance shall be submitted to KDHE with the subsequent Annual Report);
 - Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and
 - Develop and implement a plan to detect and address prohibited non-stormwater discharges as required by the current KDHE NPDES permit.
- A. T Lbmp IDD & E – 02: Implement a program to abandon failed or failing residential or commercial on-site wastewater treatment facilities. These on-site wastewater treatment systems such as septic tank – lateral systems or lagoon systems are then connected to the municipal wastewater collection system for treatment of wastewater at the municipal wastewater treatment plant.

Measurable Goal: Redirect the wastewater generated by the facility to the municipal wastewater treatment collection system for proper treatment and disposal.

Alternately, upgrade or replace the failed system with improvements which meet or exceed the present code or local requirements. An ordinance prohibiting non-stormwater discharges is currently in place, Chapter 24 Article II, and will be maintained and updated as necessary throughout the effective dates of this permit.

- B. Lbmp I D D & E – 03: Develop a spill response plan and, if appropriate, coordinate emergency response with other agencies or organizations.

Measurable Goal: The plan shall include, at a minimum, explanation of appropriate spill response activities for spills associated with vehicle accidents, at grade or above ground storage tanks, and vehicle fluids from mechanical equipment such as construction equipment, cars, or trucks. The written plan shall be maintained on file.

- C. Lbmp I D D & E – 04: 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 discharge.

Measurable Goal: 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.

- D. Lbmp I D D & E – 05: Distribute a letter (or flier) and/or e-mail along with a press release from a municipal official with the intent of reaching every resident and business in the MS4 permit area. The distributed documents shall provide information on how to avoid illicit discharges to the MS4, i.e., proper disposal methods for common substances or materials often discharged illicitly. Provide a link to the municipal website where applicable ordinances and disposal guidance are posted.

Measurable Goal: The letter (or flier) and/or e-mail along with the press release shall highlight the requirements for proper disposal of wastes and disposal methods. Copies of these documents shall be retained on file along with the distribution/ mailing lists to document distribution to the target area (minimum MS4 permit area) to avoid illicit discharges to the MS4. Provide a link to the municipal website where applicable ordinances and disposal guidance are posted.

- E. Lbmp I D D & E – 06: Inspect, by televising pipelines or direct visualization of open channel drainage, 2% of the MS4 system within the permit area all conducted within a 12-month period to aid in identifying illicit discharges as well as evaluate the condition of the storm sewer lines/drainage channels-ditches. If in a 12-month period 10% of the MS4 system is inspected a higher point value may be claimed.

Measurable Goal: Generate a summary report of the inspection including the number of linear feet televised, number of linear feet visually inspected, condition comments, illicit discharges identified and the results of efforts to eliminate illicit discharges, e.g., discharge line disconnected and redirected to the sanitary sewer or discharge practice terminated.

- F. Lbmp I D D & E – 07: Implement a Household Hazardous Waste Collection Program (HHWCP) or document others have implemented such a program to provide such service to all property owners or residents located within the permit area.

Measurable Goal: Document the residents and property owners within the MS4 permit area were able to dispose of such wastes at the HHWCP during a calendar year. Retain this documentation on file.

- G. Lbmp I D D & E – 08: Implement a program to increase the reliability of sanitary sewer pump stations above the minimum standard design requirements.

Measurable Goal: "A pump station shall be upgraded to include the following: 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 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 the permittee claims points for under this BMP.

The pump station shall be modified to facilitate the connection of the trailer mounted pump discharge to the force main and convenient installation of the suction line from the trailer mounted pump into the wet well.

- H. Lbmp I D D & E – 09: Provide a contribution to area recycle programs or programs (such as household hazardous waste disposal facilities, e-cycle facilities, paper shred facilities, pharmaceutical disposal facilities etc.) designed to properly dispose of types of waste or materials which have previously been discarded to or adjacent to either the MS4, streams, or lakes within or adjacent to the permittee's permit area. The area program must be within 30 miles from this permit area.

Measurable Goal: The contributions may be made to programs which take tires, automotive fluids, batteries, or other wastes for which there is any documentation such wastes have been discarded as addressed under the BMP summary. The contributions must total a minimum of \$500 in the year (\$100 in the year for alternative lower population municipalities) which points are claimed. The contributions can be monetary or can be in the form of goods and/or services with an agreed specified value. Contributions may be made to area household hazardous waste programs, private recycle/reuse facilities or civic/volunteer organizations assisting in recycle.

- I. Lbmp I D D & E – 10: 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 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.

Measurable Goal: 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 efforts to eliminate illicit discharges, e.g., discharge line disconnected and redirected to the sanitary sewer or discharge practice terminated.

Minimum Control Measure #4: Construction Site Runoff Control

The City has developed and agrees to continue implementation and enforcement of 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 part of a larger common plan of development or sale that would disturb one acre or more. The City will ensure that the program for construction site runoff control continues to include at a minimum the following:

- An ordinance to govern sediment and erosion control along with sanctions for compliance;
- Requirements for construction site owners or operators to implement BMPs for erosion and sediment control;
- Requirements for owners or operators to control waste materials during construction that may cause adverse impacts to water quality;
- Procedures for site plan review which incorporates consideration of potential water quality impacts;
- Procedures for receipt and consideration of information submitted by the public; and
- Procedures for site inspection and enforcement of control measures.

- A. 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.

Measurable Goal: 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 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.

- B. Lbmp C S S R C – 02: Develop and adopt a design manual for 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.

Measurable Goal: Require implementation of BMPs in compliance with the design manual on all sites which meet the disturbed area standard as specified.in the BMP Summary.

- C. Lbmp C S S R C – 03: Provide access to at least one training class for contractors, developers or others involved with land disturbance projects which provides training on requirements for a Stormwater Pollution Prevention Plan (SWP2 Plan) and implementation of appropriate BMPs.

Measurable Goal: This training class must address all local requirements for a SWP2 Plan, requirements for implementation of BMPs and address the requirements for permits.

- D. Lbmp C S S R C – 05: 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:

- discarded building materials
- concrete
- Truck washout chemicals, litter, and sanitary waste

Measurable Goal: Enact ordinance or other effective means to achieve control of wastes at construction sites.

- E. Lbmp C S S R C – 06: Develop written procedures for inspection of construction sites. Develop a Stormwater Construction Site Inspection Guide for use by municipal inspectors.

Measurable Goal: The procedures document must address the administrative aspects associated with required inspections of construction sites, the 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.

- F. Lbmp C S S R C – 07: Acquire or develop a software tracking system to track inspections and related tasks.

Measurable Goal: The tracking system must allow for scheduling inspections and follow-up activities such as re-inspections, mailing notices or reports, etc.

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

The City agrees to develop a post-construction stormwater management program to address post-construction stormwater runoff from new develop 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. This program will include at a minimum the following:

- 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;
- Enact an ordinance to address post-construction runoff from new development and redevelopment projects to the extend allowable under State and local law; and
- Ensure adequate long-term operation and maintenance of BMPs.

- A. Lbmp P-C S M – 01: 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 one acre which is part of a larger common plan of development or sale that in total disturbs one acre or more.

Measurable Goal: "The custom design manual shall impose requirements to achieve at least one of the following standards:

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:

- retain on-site • infiltrate • evaporate • transpire • 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.

Other sizing or detention standards generally accepted by design engineers as adequate for the permittee's local.

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.

Measures must be included to enforce the installation of the various structural BMPs required.

- B. Lbmp P-C S M – 02: 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.

Measurable Goal: 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.

Lbmp P-C S M – 03: Develop and implement a program to ensure adequate long-term cleaning, 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:

- detention ponds • retention ponds • grass swales • wetlands
- pervious paving systems • vegetative filter strips • drop inlet-catch basin
- manufactured stormwater treatment devices (swirl separators, screens, etc.)

Measurable Goal: The program shall be detailed in a written document and made available to all pertinent maintenance staff.

- C. Lbmp P-C S M – 05: Develop and implement a program for inspection of permittee owned structural BMPs which includes implementation of needed maintenance to ensure long-term operation of the BMPs

Measurable Goal: The program shall require inspection of at least 10% of the structural BMPs on an annual basis.

Identified maintenance activities shall be completed:

- in the same year of inspection or
- completed as dictated by the permittee's maintenance/O&M plan 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."

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

The City agrees to develop and implement an operation and maintenance program for its municipal operations as required by the permit.

- A. Lbmp P P/G H – 01: Install a screening device or method at a single municipal storm sewer outfall or on the storm sewer line immediately upstream of the outfall to reduce the discharge of floatables or other objects to receiving waters.

Measurable Goals: "The screening device or method is required to remove objects that exceed at least 1½ inches in size. The device or method must be capable of continuous operation during stormwater discharges.

An emergency bypass or overflow line can be included to avoid surcharging/flooding in the event the screening device or method fails to operate properly at any time.

A log of the material captured and prevented from discharge to the receiving water shall be maintained.

- B. Lbmp P P/G H – 02: 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.

Measurable Goals: 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 transport.

- C. Lbmp P P/G H – 03: 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.

Measurable Goal: 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.

- D. Lbmp P P/G H – 04: Implement a program, with guidance to municipal staff or third-party contractors, to ensure any municipal vehicle or other mechanical equipment washing is conducted in a manner which ensures the wash water is disposed of in the sanitary sewer or otherwise receives proper treatment prior to discharge to the environment.

Measurable Goal: Maintain proper wash facilities for municipal staff to wash vehicles and/or equipment or implement a program which includes guidance to municipal staff to take vehicles and/or equipment to commercial wash facilities, either of which ensures the wash water is conveyed to the sanitary sewer, or otherwise receives proper treatment prior to discharge to the environment, and not discharged untreated to the MS4 or directly to the environment.

- E. Lbmp P P/G H – 05: Implement a program for street sweeping in which the street sweepings are collected and disposed of properly or recycled/reused if possible.

Measurable Goal: "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 the street sweepings are disposed or where the material was sent to be recycled and/or reused.

Alternatively, for municipalities with less than 500 population street sweeping can be limited to sweeping the gutters. The log which must be maintained need only indicate the street segments which were swept in the year and confirm the sweepings were properly disposed or recycled and/or reused.

- F. Lbmp P P/G H – 06: Develop an employee training program to ensure permittee's staff understand what actions they can take in the workplace to minimize stormwater pollution.

Measurable Goal: 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.

Alternately, provide in-person training or videos with sign-in-sheets for signature documentation of personal or video training. Retain copies of the guidance documents and/or sign-in-sheets. A log of when the guidance was distributed, or training was provided to staff should be maintained. Provide appropriate guidance and/or training to staff a minimum of twice per year.

- G. Lbmp P P/G H – 08: Develop, implement and keep updated an online storm sewer map accessible to the public.

Measurable Goal: 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.

Section II - BMPs for Total Maximum Daily Load (TMDL)

The Smoky Hill River is the water body subject to the listed TMDL regulated parameters in the permit. The TMDL parameters are total phosphorus, total nitrogen, dissolved oxygen, suspended solids (sediment), and bacteria (E. coli). Each BMP has a Measurable Goal, and the affected regulated parameters, as applied to the impacted watersheds. At a minimum there will be at least one BMP for each TMDL regulated parameter. These BMPs will be implemented at a minimum within the Permit area wherever stormwater drains to the associated impaired stream.

BMPs for the Listed TMDL Parameters: Minimum Control Measures

- A. Lbmp T M D L – 01: 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.

Measurable Goal: 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.

- B. Lbmp T M D L – 05: 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.

Alternately, post the document on social media or the municipal website.

Measurable Goal: 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 number of documents distributed shall also be documented. This information and copies of the documents shall be retained on file.

Documents posted to social media or the website shall have the page copied and printed to retain on file.

- C. Lbmp T M D L – 06: Distribute “Only Rain Down the Drain” door hangers or similar document.

Measurable Goal: 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.

- D. Lbmp T M D L – 07: Inspect 10% of all known MS4 outfalls for dry weather discharges either annually or twice per year to identify potential illicit discharges.

Measurable Goal: 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 or all the discharge is illicit. Document the findings and initiate efforts to eliminate any identified illicit discharges.

- E. Lbmp T M D L – 10: Establish a program to encourage Rainwater Harvesting.

Measurable Goal: Provide public education on rainwater harvesting and design guidance for the installation of rain barrels, cisterns, raingardens and other rainwater harvesting devices. When rain barrels are utilized they must be a minimum size of 50 gallons. When raingardens are utilized they must be a minimum of 20 square feet. A rain harvesting system on a commercial setting must have adequate capacity to hold the runoff from the impervious surface for which it is designed to collect on the commercial parcel equal to that generated by a 0.1-inch rainfall event. The installation of rain barrels or rain gardens on five residential lots, or the installation of one rain harvesting system in a commercial setting shall qualify the permittee to claim points for this BMP.

- F. Lbmp T M D L – 11: Construct and maintain a structural BMP to reduce loadings of sediment and nutrients, including bioretention, detention basins, porous pavement, retention ponds, media filters and any composite treatment trains of multiple BMPs

Measurable Goal: "A construction project installing a structural BMP must be completed prior to awarding of points. Any individual project will be awarded points scaled on the basis of the extent of the contributing area that the BMP will control. The permittee will document maintenance of the constructed BMP in subsequent years to continue to be awarded points.

G. Lbmp T M D L – 12: Construct a stream bank stabilization project.

Measurable Goal: Install a minimum of 100 feet of bank stabilization at a site(s) with a history of erosion.