



Stormwater Management Plan

In Compliance with

Kansas Department of Health and Environment
Municipal Stormwater Management and Regulation
Practices

City of Goddard, KS

Kansas Permit No. M-AR37-SU01

Federal Permit No. KSR410043

Updated: May 25, 2023

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Introduction

The City of Goddard (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.

This Program has been submitted in to be in compliance with the new standards required by the EPA to utilize the “credit system” along with measurements and goals.

Permittee: City of Goddard
Address: 118 N Main St, Goddard, KS 67052
Drainage Basin: Arkansas River
County:

Sedgwick



A. Six Minimum Controls

The permittee shall:

Develop and implement Best Management Practices (BMP's) with measurable goals for each of the six minimum control measures. The six minimum control measures and the associated requirements are listed and explained as follows:

1. Public Education and Outreach

[Public Education and Outreach E.P.A Document](#)

The permittee shall:

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

Total Points Required

Points minimum required	Year
4	2021
4	2022
7	2023
7	every year after

City Implements

Program	Points
P ED & O - 02	2
P ED & O - 04	2
P ED & O - 05	1
P ED & O - 06	2
Total Points	7

Program descriptions

P ED & O - 02: City sends out education flyers several times a year through

the city's Goddard Glance which is sent out to all city water users.

P ED & O - 04: The city is growing every year with new residential developments. The city will continue to place stencils around the storm water inlets equal to 10% of all storm water inlets.

P ED & O - 05: The city will continually post the city's MS4 and SMP on the city website.

P ED & O - 06: The city will continually host a phone number for calling if there are any illicit discharges.

2. Public Involvement and Participation

→ [Public Participation and Involvement E.P.A Document](#)

The permittee shall:

Implement a public involvement and participation program to solicit public comment and recommendations regarding the BMP's and measurable goals utilized by the permittee to comply with the permit. The permittee shall comply with state and local public notice requirements when implementing a public involvement and participation program.

Total Points Required

Points minimum required	Year
3	2021
3	2022
6	2023
6	every year after

City Implements

Program	Points
P I/P - 07	1
P I/P - 09	5
Total Points	6

Program descriptions

P I/P - 07: The city has adopted an ordinance requiring pet owners to pick up their pet's waste. Receptacles are available in the park and walking trails.

P I/P - 09: The city has in the past and will continue to do so, distribute in the Goddard Glance topics related to storm water and it will consist of five different topics throughout the year (1 point per topic)

3. Illicit Discharge Detection and Elimination

→ [Illicit Discharge and Detection and Elimination E.P.A Document](#)

The permittee shall:

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. A copy of the map shall be submitted to KDHE. This map may be submitted as a PDF file(s) on a CD or DVD.
- Enact ordinances or resolutions to prohibit non-stormwater discharges into the storm sewer system and implement appropriate enforcement procedures and actions if the permittee has such authority. A copy of the ordinances or resolutions shall be submitted to KDHE.
- 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, including but not limited to illegal dumping, to the storm sewer system.
- Unless identified by either the permittee or KDHE as a significant source of pollutants to waters of the state, the following examples of non-stormwater discharges are not prohibited from entering the MS4:

1. Water line flushing
2. Diverted stream flow
3. Rising groundwaters
4. Uncontaminated groundwater infiltration as defined under 40 CFR 35.2005(20) to separate storm sewers
5. Uncontaminated pumped groundwater
6. Contaminated groundwater if authorized by KDHE and approved by the municipality
7. Discharges from potable water sources
8. Foundation drains
9. Air conditioning condensate
10. Irrigation waters
11. Springs
12. Water from crawl space pumps
13. Footing drains
14. Lawn watering
15. Individual residential car washing
16. Occasional not-for-profit car wash activities
17. Flows from riparian habits and wetlands
18. Dechlorinated swimming pool discharges excluding filter backwash
19. Street wash waters (excluding street sweepings which have been removed from the street)
20. Discharges of flows from firefighting activities
21. Heat pump discharge waters (residential only)
22. Treated wastewater meeting requirements of a NPDES permit
23. Sump pump drains
24. Other discharges determined not to be a significant source of pollutants to waters of the state, a public health hazard, or a nuisance.

Total Points Required

Points minimum required	Year
5	2021
5	2022
7	2023
7	every year after

City Implements

Program	Points
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I D D & E - 03	3
I D D & E - 06	3
I D D & E - 10	3
Total Points	9

Program descriptions

I D D & E - 03: The city has drafted a spill response plan for vehicles at grade or above ground storage tanks and vehicle fluids from mechanical equipment such as construction equipment, cars or trucks.

I D D & E - 06: The city has contracted Mayer to inspect 2% of the city's storm water infrastructure. This information will be used to map and maintain the storm water system.

I D D & E - 10: The City will inspect 2% of the inlets or outfalls within the MS4 permitted area. A report will be attached.

4. Construction Site Stormwater Runoff Control.

→ [Construction Site Runoff Control E.P.A Document](#)

The permittee shall:

Develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must include the development and implementation, at a minimum, of the following:

- Permittees which have the authority to enact ordinances or resolutions shall enact such ordinances or resolutions to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State and Local law;
- Requirements for construction site owners or operators to implement

appropriate erosion and sediment control best management practices.

- 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.
- Procedures for site plan review which incorporate consideration of potential water quality impacts.
- Procedures for receipt and consideration of information submitted by the public.
- Procedures for site inspection and enforcement of control measures.

Points Required

Points minimum required	Year
4	2021
4	2022
6	2023
6	every year after

City Implements

Program	Points
C S S R C - 01	3
C S S R C - 02	3
Total Points	6

Program descriptions

C S S R C - 01: The city requires a Storm Water Pollution Prevention Plan (SWPPP) for all construction sites greater than one acre. The city will formally adopt this requirement.

C S S R C - 02 The city requires silt barriers for culverts, storm water inlets and silt barriers to prevent sediment from getting into the street for construction sites in larger programmed developments. The city will formally

adopt this requirement.

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

→ [Post-Construction Runoff Control E.P.A Document](#)

The permittee shall:

Develop, implement, and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development and implementation, at a minimum of the following:

BMPs to prevent or minimize adverse water quality impacts;

Strategies which include a combination of structural and/or non-structural BMP's appropriate for the municipality.

For permittees which have the authority, ordinances or resolutions to address post-construction runoff from new development and redevelopment projects to the extent allowable under State and local law. Ensure adequate long-term operation and maintenance of BMP's.

Points Required

Points minimum required	Year
5	2021
5	2022
7	2023
7	every year after

City Implements

Program	Points
P-C S M - 01	4
P-C S M - 03	3
Total Points	7

Program descriptions

P-C S M - 01: The city currently requires all developments that are offsetting an acre or more with impervious surface to have a storm water retention pond that has engineering calculations to retain water at the current rate of discharge prior to construction if not greater. This will be formally adopted.

P-C S M - 03: The city currently manages lagoons that function as storm water overflow ponds. The city will adopt a formal policy for the maintenance of these ponds.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

→ [Pollution Prevention/ Good Housekeeping E.P.A Document](#)

The permittee shall:

Develop and implement an operation and maintenance program that includes employee training to prevent and reduce stormwater pollution from municipal operations activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance.

Points Required

Points minimum required	Year
4	2021
4	2022
6	2023
6	every year after

City Implements

Program	Points
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P P/G H - 01	3
P P/G H - 05	3
P P/G H - 06	1
Total Points	7

Program descriptions

P P/G H - 01: The city will install a screening device at a city outfall location. The screening device will be for continuous use and the city will catalog debris pulled from the screen.

P P/G H - 05: The city currently has a street sweeping schedule. The city will log materials collected and disposed of.

P P/G H - 06: The city will have the Public Works department watch an instructional video on minimizing storm water pollution related to municipal operations.

B. Stormwater Management Program

Please place an "X" in the left boxes to complete the table below.

YES	NO	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the Stormwater Management Program (SMP) been developed and implemented?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the SMP been modified or updated during this reporting period?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If the answer to question 2 above was "yes," has the modified SMP been submitted to KDHE for review?

If the answer to item 3 is a "NO," a copy of the updated SMP must be submitted with this annual report. If it is anticipated a measurable goal

cannot be met in the next year the SMP should be modified and submitted to KDHE for review. The modifications may include different BMP's and/or revised goals to avoid being in a position of non-compliance. However, reasonable BMPs with reasonable goals must be implemented or KDHE may require the permittee to modify the SMP to include additional or better BMP's and/or more reasonable goals.

- Updated and sent to Sophie Schmidt 6/1/2023 – Micah Scoggan

C. Total Maximum Daily Load (TMDL) Best Management Practices (BMP's)

Some permittees are required to implement BMPs to reduce the discharge of listed TMDL regulated pollutants (potentially any or all of the following pollutants - bacteria, nutrients, and sediment)

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 of the city permit.

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 of PART II of this permit.

Points Required

Points minimum required	Year
4	2021
4	2022
6	2023
6	every year after

City Implements

Program	Points
T M D L - 01	1

T M D L - 05	1
T M D L - 06	2
T M D L - 07	3
Total Points	7

Program descriptions

T M D L - 01: The city currently has pet waste stations installed on walking trails and in its primary park location.

T M D L - 05: The city distributes the Goddard Glance once a month and it will have information related to pet waste encouraging them to pick it up and warn of the contamination of the storm water.

T M D L - 06: The city will distribute to all of its potable water consumers a flyer in the Goddard Glance notifying people related to “only rain down the drain”.

T M D L - 07: The city will inspect 10% or more of all known MS4 outfalls for dry weather discharges once or twice a year.

Surface Water Monitoring Locations

Location Site Name: West of WWTP Office

Location Description: Upstream of the WWTF

Impaired Streams to Target: Dry Creek

KDHE EDMR Code: UPSTM001A6