Stormwater Management Plan

Bethany, Oklahoma

Permit Number OKR040007

City of Bethany

OFFICE OF THE CITY MANAGER

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Stormwater Management Plan Adoption & Implementation Statement

The following certification statement is required under Part VII H.2 of the 2021 OKR04 Stormwater Permit and stands as proof that this Stormwater Management Plan (SWMP) has been officially reviewed and implemented by the City of Bethany, effective January 30th, 2026; signed on January 30th, 2026. All NOTs, SWMPs, SWP3s, reports, certifications or other information required by this permit, and other information requested by the director, shall be signed by a person described in Part Vll(H)(1) or by a duly authorized representative of that person. A person is a duly authorized representative if the authorization:

a. is made in writing by a person described in Part Vll(H)(1) and submitted to the Director or
b. specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility for environmental matters for the regulated entity.

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

Elizabeth Gray
Elizabeth Gray City Manager
City of Bethany, Oklahoma

Raquelynne Diaz
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Community Development Associate

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Executive Summary

The City of Bethany has prepared this Stormwater Management Plan document which provides descriptions of all activities that will be conducted on behalf of Bethany to meet its obligations under the Oklahoma Department Environmental Quality (ODEQ) OKR04 General Permit for Phase II Municipal Separate Storm Sewer Discharges for Small Cities within Oklahoma.
The City of Bethany has prepared this Stormwater Management Plan (SWMP) document which provides descriptions of all activities that will be conducted on behalf of Bethany to meet its obligations under the Oklahoma Department Environmental Quality (ODEQ) OKR04 General Permit for Phase II Municipal Separate Storm Sewer System Discharges for Small Cities within Oklahoma. The SWMP along with the Notice of Intent (NOI) together constitute the application for coverage under the OKR04 General Permit. All six Minimum Control Measures (MCMs)have been addressed in this SWMP.

Each MCM has several Best Management Practices (BMPs) that constitute the core activities pertaining to each MCM. Appendices summarize the BMPs and provide measurable goals for each BMP, along with descriptions, implementation schedules and estimated annual costs. Every reasonable effort has been made to comply with all requirements in the State's OKR04 general permit for small Municipal Separate Storm Sewer Systems (MS4s). To this end, verbatim passages of the OKR04 text were duplicated into the SWMP, as appropriate.

To help implement many aspects of the Phase II requirements, particularly regarding public education and public participation, the City of Bethany is working with the Oklahoma Conservation Commission and COSWA, the Central Oklahoma Stormwater Association.

Stormwater runs off from urban areas and lands modified by human activity causes adverse environmental impacts to surface waters by changing stream flows, destroying aquatic habitat, and increasing pollutant loading and concentrations. Such runoff often contains sediment, nutrients, metals, pathogens, toxins, and oxygen-demanding substances. When these pollutants are carried to streams, rivers, lakes, and wetlands they can impair water quality, cause habitat degradation, and threaten beneficial uses of water. Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

History of Stormwater Regulations

A permitting program for stormwater discharges was established under the Clean Water Act because of the 1987 Amendment. The Act specifies the level of control to be incorporated into the National Pollutant Discharge Elimination System (NPDES) stormwater permitting program

depending on the source (industrial versus municipal stormwater). These programs contain specific requirements for the regulated communities/facilities to establish a comprehensive stormwater management program or stormwater pollution prevention plan to implement any requirements of the total maximum daily load (TMDL) allocation. There are two phases:

- Phase I: In 1990 the EPA promulgated regulations for establishing water quality based municipal stormwater programs to address stormwater runoff from certain industrial and construction activities and from medium and large municipal separate storm sewer systems serving populations of 100,000 or greater. These "Phase I" regulations were incorporated into the existing MPDES permit rules that address point source dischargers. As a result, urban nonpoint source runoff became regulated as a point source.
- Phase II: On December 8, 1999, the EPA published final regulations that address urban stormwater runoff from cities under 100,000 population and counties that lie within the Urbanized Area as defined by the latest US Census Bureau designation or otherwise designated by the ODEQ as being required to obtain coverage under the State's Phase II Stormwater Program. The ODEQ has primary authority over permitting and enforcement of the Phase II Stormwater Program for Oklahoma. On February 8, 2005, the ODEQ finalized their General Permit (OKR04) for Phase II Small Municipal Separate Storm Sewer System Discharges within the State of Oklahoma.

Understanding Bethany's Drainage

Founded at the turn of the 20th century, Bethany is seated due east of the North Canadian River. The original townsite consisted of 80 acres and has since grown to 5.2 square miles with predominantly residential land use make-up. Built in 1919, the Overholser Dam resulted in the formation of Lake Overholser and the Stinchcomb Wildlife Refuge, which together shape Bethany's western boundary.

Bethany's Eastern border is shared with the City of Warr Acres, while the Northern, Southern, and Eastern boundaries are shared with Oklahoma City. Within these boundaries, Bethany has three drainage basins which empty into two separate watersheds. The first being Bluff Creek Canal and the Spring Creek of the Cimarron, and the North Canadian River. Most of our drainage discharges into Warr Acres & Oklahoma City's MS4s, while our MS4 consists of an array of canals, ditches, concrete channels, and pipes; with much of the city having neither curbs nor gutters.

As of 2025, Bethany is approximately 95% built out, with few opportunities for large-scale construction. With limited knowledge of our existing systems, our engineering partners have aided us in the modernization of our maps & atlases, drainage & retention analysis, and infrastructure improvements. In large part, this is thanks to the 2022 G.O. Bond, which allocates over $4 million to addressing critical stormwater infrastructure issues and will establish guidelines for system upgrades over the coming years. While this will not correct all issues, it

will allow us to develop a plan for construction, fundraising, etc. that will improve stormwater quality.

Spring Creek Drainage Basin

The Spring Creek conveyance enters Bethany along its Eastern border with Warr Acres due North of 50th Street. The creek leaves a series of pipes and enters a drainage channel where it turns North at McCrory Park and officially forms Spring Creek. From McCrory Park, Spring Creek flows northward, leaving the city at 63rd Street, and ultimately flows into the Cimarron River.

East Drainage Basin

The water flows southeast and enters Warr Acres MS4. It eventually makes its way into the North Canadian River just South of I-40 & Rockwell where it enters Tributary 14.

West Drainage Basin

The vast majority of stormwater flows into the North Canadian River Channel. This channel creates Lake Overholser but does not flow directly into the lake itself.

Municipal Facilities

Facility	Address	Potential Pollutants & Chemicals Stored
City Hall	6700 NW 36th	N/A
Police Station	6714 NW 36th	N/A
Fire Station	3919 N Rockwell	Misc. Chemicals
Public Works	5200 N Central	Salt, Sand, misc, chemicals
Sanitation	5300 N Central	General Waste and Floatable Materials
Maintenance Garage	5200 N Central	Oils, Coolant, Misc, Chemicals
Vehicle Fueling	5200 N Central	Gasoline & Diesel
Animal Control	5100 N College	Animal Waste
Water Treatment Plant	8300 NW 50th St	Chemicals (Lime, Hydrochloric Acid, etc.)
Wastewater Treatment Plant*	Not in City Limits	Misc. Chemicals & Sewage
Potential Pollutants & Chemicals Stored	NW 30th & Thompkins	Pool Chemicals (Chlorine)
City Parks (14 in total)		Fertilizers, Weed killers, Pesticides, etc.

**** Indicates a DEQ regulated entity***

Infall & Outfall Locations

No.	Outfall Location	Structure Type	MS4
1	NW 65th & Rockwell North Cemetery Boundary)	12" CGMP	OKC
2	NW 63rd & Mueller	Surface Runoff	OKC
3	NW 53rd & College (North Boundary of Macrory Park)	Earthen Channel	Warr Acres
4	NW 48th & Donald	Surface Runoff	Warr Acres
5	NW 46th &Redmond	42" RCP	Warr Acres
6	NW 46th & Hammond	48"RCP	Warr Acres
7	NW 36th & Hammond	Concrete Lined Channel	Warr Acres
8	NW 30th & Redmond	Concrete Lined Channel	OKC
9	NW 16th & Gleason	Earthen Channel	OKC
10	NW 16th & Divis	(2) 6'x4' RCB	OKC
11	NW 25th & Eagle	(2) 65' x40' RCB	OKC
12	NW 38th Terrace & Overholser Drive	24" RCB	OKC
13	NW 39th & Overholser Drive	Earthen Channel	OKC
14	NW 60th & Rockwell	10x12 RCB	OKC

No.	Infall Location	Structure Type	MS4
1	NW 50th & Redmond	12" CGMP	Warr Acres
2	NW 34th & Hammond	Surface Runoff	Warr Acres
3	NW 25th between Peniel & Donald	Earthen Channel	OKC
4	NW 50th & McMillian	Surface Runoff	OKC

Defining Infalls and Outfalls

An infall is a place in which water enters city limits, whereas an outfall is a place where stormwater exists at city limits. According to a study conducted by a former City Engineer, the City of Bethany has a total of five infalls and fourteen outfalls.

Ordinances

Bethany's stormwater ordinances can be found in Chapter 54: Storm water utilities of the Bethany Code of Ordinances. Within this chapter the topics discussed involve:

- Stormwater Fees § 54.02
- Definitions § 54.03
- Administrative Responsibilities § 54.05
- Applicability and Right of Entry § 54.06
- Construction § 54.07
- Permit Fees § 54.08
- Post-Construction Activities § 54.09
- Illicit Discharges § 54.10
- Penalties for Violations § 54.11

Oklahoma Water Quality Standards

The foundation of Oklahoma's water quality protection efforts acts as its own set standards. Oklahoma's Water Quality Standards are a set of rules adopted by Oklahoma in accordance with the federal Clean Water Act. The standards provide a baseline against which the quality of waters of the state are measured. The Oklahoma Water Resources Board holds the statutory

authority to develop the standards. These standards serve two roles: one being the establishment of water quality baselines and the other being a basis for the development of water-quality based pollution control programs, including discharge permits. The standards comprise three components: beneficial uses, criteria, and anti-degradation policy. For more information on Oklahoma's Water Quality Standards contact the Oklahoma Water Resources Board.

Total Maximum Daily Loading

The TMDL program is targeted at impaired water bodies. A total maximum daily load is the total amount of pollutant that a given water body can assimilate and still meet state water quality standards. The term also describes the process of calculating such a load and allocating portions of the load to various sources of pollution in the study area. The result of a TMDL exercise is to identify pollutant sources and to recommend the reductions necessary to meet applicable water quality standards.

What Constitutes Impairment?

Water quality impairment is assessed through three categories:

1. All beneficial uses assessed and attained.
2. Some beneficial uses assessed, no impaired uses.
3. Not enough information to assess beneficial uses.

Allowable Discharges

Non-stormwater discharges to MS4 shall be prohibited. The following discharges need not be addressed as illicit discharges per Illicit Discharges § 54.10
:

a. Water line flushing
b. Landscape irrigation
c. Diverted stream flows.
d. Rising ground waters
e. Uncontaminated ground water infiltration to MS4s
f. Uncontaminated pumped ground water
g. Discharge from potable water sources
h. Foundation drains
i. Air conditioning condensation
j. Irrigation water
k. Springs
l. Water from crawl space pumps
m. Footing drains
n. Lawn watering
o. Individual residential car washing
p. Flows from riparian habitats and wetlands.
q. De-chlorinated swimming pool discharges

r. Street wash water

s. Discharges from emergency fire-fighting activities provided procedures are in place for the Incident Commander, Fire Chief, or other on-scene fire-fighting official in charge of making an evaluation regarding potential releases of pollutants from the scene. Measures must be taken to reduce any pollutant releases to the maximum extent, practicable subject to all appropriate actions necessary to ensure public health and safety. DISCHARGES FROM FIRE-FIGHTING ACTIVITIES ARE NOT AUTHORIZED.

Permit Requirements

The program must include the following components:

- Responsible Party/Stormwater Program Manager
- Compliance with water quality standards
- Stormwater Management Plan (SWMP)
- Program plan review
- Creation of stormwater management related ordinances
- Stormwater pollution prevention plans for municipal projects.
- Six minimum control measures (MCMs)
- Best Management Practices (BMPs)
- Measurable goals for each BMP
- Rationale for selected BMPs
- Plans/Activities to monitor & reduce pollutant discharge.
- Inspection procedures (including dry weather field screening)
- Annual Report

Annual Report

Annual reports are due in October each year. Prior to 2015, each city chose deadline dates. After 2015, the program became more streamlined by the ODEQ. BMP tables are a good tool to use for reporting. A summary explains why we do what we do and how we do it. The language provided below should be included in each annual report along with the tables that demonstrate our BMP implementation. Categories reviewed are as follows:

1. Activity – What was done?
2. Responsibility – Who is responsible for BMP?
3. Target Audience – Who is reached?
4. Frequency – How often?
5. Goal Achievement – Did you meet your goal?
6. Metrics of BMP – How many? When? Numbers, weights, amounts, dates
7. Should you keep the BMP? Is there a better way to do this? - Analyze BMPs effectiveness each year and make changes as needed.

Six Minimum Control Measures

The ODEQ requires the use of six Minimum Control Measures (MCMs)in the creation of stormwater management and pollution prevention programs.

1. Public Education & Involvement
2. Industrial Stormwater Runoff Control (not applicable to City of Bethany at this time)
3. Illicit Discharge Detection & Elimination
4. Construction Runoff Management
5. Post-Construction Runoff Management
6. Municipal Good Housekeeping

For each of the minimum control measures, the City of Bethany will implement best management practices (BMPs), develop implementation schedules, and establish measurable goals for each practice.

1.Public Education & Involvement

Permit Requirements: Develop and implement a public education and outreach program to distribute information and educational materials to the community and to conduct outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. As well develop and implement a plan to encourage public involvement and participation in the creation of a stormwater management program. Develop and implement a process by which public comments are received and revised by the person running the program. Make the stormwater management plan and the notice of intent available to the public. Comply with the State and Local public notice requirements when implementing the program.

Rationale: An informed community is essential for the success of the Stormwater Pollution Prevention Program. The selected best management practices are intended to increase the community's understanding of sources and environmental impacts of stormwater pollution, as well as ways to reduce the pollutants in stormwater discharges. The resulting goal is to encourage behaviors and practices which will result in environmental benefits for the community. Additionally, providing public participation in stormwater programs encourages public interest and ownership in pollution prevention efforts, as well as establishing two-way communication between the city government and the community. The program intends to provide multiple means for input of public concerns and routes by which the community may participate.

Action: Utilize existing methods of communication and outreach (social media, city website, radio/television advertisements, physical documents, etc.) in addition to working with

community groups in a manner that allows for smart utilization of resources. The City of Bethany's program will continue annual clean-up programs, we partner with COSWA on radio commercial opportunities and events and continue the development & improvement of the report-a-concern program for immediate incident reporting.

Table V-1 Public Education and Involvement Activities

Public Education Activities	Public Involvement Activities
-brochures/pamphlets -displays/posters/kiosks -local public service announcements -newspaper articles/press releases -publication of MS4 annual report, SWMP, or ordinances -signage -storm drain markings -utility bill insert or other mailing -videos -website	-waterway/watershed clean-up or trash removal event -contests -household hazardous waste collection event -involvement in development of MS4 SWMP -meetings (e.g. public hearing, council meeting, citizen committee meeting, etc.) -school programs -special events/fairs -targeted group training -volunteer event -water monitoring event -workshop

Table V-2 Minimum Public Education and Involvement Activities Per Year

Coordinating MCM And Description		Category 1	Category 2	Category 3
1	public education	2 activities per year	4 activities per year	4 activities per year
	public involvement	1 activity per year	2 activities per year	2 activities per year
2	outreach or educational activity for industrial runoff	--	--	once every two years
	staff training	--	--	once every two years
3	outreach or educational activity for illicit discharge	once every two years	once per year	once per year
	staff training	once every two years	one per year	once per year
4	outreach or educational activity for construction runoff	once every two years	once per year	once per year
	staff training	once every two years	one per year	once per year
5	public education for post-construction runoff	once every two years	once per year	once per year
6	staff training	once every two years	one per year	once per year

3.Illicit Discharge Detection & Elimination

Permit Requirements: Develop, implement, and enforce a program to detect and eliminate illicit discharges into the City of Bethany MS4, including a dry-weather field screening program

to identify non-stormwater flows and illegal dumping. Develop a storm sewer map, showing the location of all outfalls, and the names & locations of the state-identified water bodies that are impacted. Prohibit non-stormwater discharges into the MS4 system by implementing appropriate enforcement procedures through ordinances and regulatory mechanisms for violations. Inform public employees, businesses, and the public of hazards associated with illegal discharges and improper disposal of waste. Develop a list of occasional & incidental stormwater discharges or flows that will not be addressed as illicit discharges.

Rationale: Mapping the stormwater sewer and drainage system will allow us to become more familiar with the physical realities of our water flows. Creating ordinances prohibiting non-stormwater discharges will provide us with local regulatory controls and enforcement capabilities.

Action: Working alongside our engineering team, the City of Bethany continues to map and inventory the existing stormwater system. Future Capital Improvement Programs (CIPs) will enhance this network, supporting faster detection and resolution of stormwater issues. In addition to infrastructure improvements, the city remains committed to community outreach, responding to complaints, and conducting Dry Weather Field Screenings on 40% of outfalls and once per year at DWFS high priority areas each year to identify and address potential sources of pollution. Quarterly water testing will also continue to help detect any illicit discharges, ensuring the ongoing protection of local water quality and the improvement of municipal operations.
Spills: Large spills are handled by the Fire Department; they have a SOG on Hazardous Material related spills.

Table V-4 Minimum Frequency of Dry Weather Field Screening

	Category 1	Category 2	Category 3
DWFS at all identified outfalls	20% per year[1]	40% per year[1]	40% per year[1]
DWFS at high priority areas	once per year	once per year	once per year

[1] The number of outfalls screened shall be rounded up to the nearest integer.

4.Construction Site Stormwater Runoff Management

Permit Requirements: Develop, implement, and enforce a program to reduce pollutants in any stormwater runoff into the MS4 by way of construction activities that result in a land disturbance of greater or equal to one acre. Reduction of stormwater discharges from construction activity is part of a larger common plan of development (or scale) that would disturb one acre or more.

Rationale: The goal of this measure is to provide education, and regulatory practices that would ensure construction activities meet & implement the required BMPs to reduce the number of pollutants in stormwater runoff from construction sites.

Action: The City of Bethany's existing ordinance includes regulations to control stormwater runoff from construction sites and redevelopment projects that disturb an area equal to or greater than one acre in area. This includes projects of less than one acre when they are part of the larger common plan of development or sale that discharge into the city's MS4.**Inspection and Enforcement Procedures**: Building plans that require a site plan (any new commercial construction) is required to undergo review by the city engineer, who will review stormwater plans made by the developer to ensure that they are within specification. Inspections and referrals for construction sites will be made by building inspectors, code enforcement, and stormwater staff. Inspections will also be conducted in response to citizen complaints. The city will be able to write warnings, tickets, and put stop-work orders on sites which are not in compliance with the enacted ordinances.

Table V-5 Minimum Frequency of Construction Site Inspections

	Category 1	Category 2	Category 3
Sites that are greater than 40 acres	once per quarter	once per month	once per month
Sites that discharge to a waterbody that is identified as impaired[1]	once per quarter	once per month	once per month
Sites that discharge to a waterbody with an established TMDL	once per quarter	once per month	once per month
Sites that have been identified as a threat to water quality (e.g. sites with recalcitrant or repeat offenders)	once per quarter	once per month	once per month
All other sites	at least once during active construction	once per quarter[2]	once per quarter[2]

[1] Sites that discharge within 1 stream mile of a waterbody that is impaired for sediment or turbidity.

5.Post-Construction Runoff Management

Permit Requirements: Develop, implement, and enforce a stormwater runoff program to address new development, structural, and non-structural best management practices that are appropriate for the community. Create ordinances or other regulatory mechanisms to address post-construction runoff from both greenfield and brownfield developments. Thus, ensuring adequate long-term operation and maintenance of best management practices.

Rationale: The goal of this measure is to reduce the amount of stormwater runoff created by development, reduce the potential risk of runoff contamination, and encourage stormwater infiltration.

Action: The City of Bethany will enforce its existing post-construction stormwater ordinance by way of inspections, engineering compliance, and response to citizen concerns through reporting.

6.Municipal Good Housekeeping

Permit Requirements: Develop and implement an operation and maintenance program that includes a training component with the goal of preventing and reducing pollutant runoff from MS4 operations. Develop and use training materials for employees training to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction, land disturbances, and stormwater system maintenance.

Rationale: Municipalities can contribute significant pollution to the MS4.

Action: Employee training will be offered in addition to the city maintaining an inventory of municipal operations and activities that contribute to stormwater, assess infrastructure improvements as needed, best management practices within contributing departments, etc. Municipal facilities will be inspected once per year unless they are permitted facilities.

Table V-6 Minimum Frequency of Inspections at Facilities Subject to MCM 6

	Category 1	Category 2	Category 3
Site inspections at MS4 facilities subject to the OKR05 or individual OPDES or NPDES permit	once per quarter	once per quarter	once per quarter
Site inspections at other MS4 facilities impacted by this program	once per year	once per year	once per year

City Manager:

- Oversees municipal operations and has authority over all city staff and the municipal budget. The City Manager answers only the City Council.

Community Development Director:

- Oversees the management of city planning, stormwater, code enforcement, building inspections, and licensing & permitting. The program director designates responsibilities and is reported to by the stormwater manager.

Community Development Associate/ Stormwater Manager:

- Manages all aspects of the stormwater management plan, and coordinates with inspectors, engineers, code enforcement, and public works to detect and eliminate illicit discharges. The stormwater program manager is responsible for writing the annual report and reviewing the effectiveness of the stormwater management plan.

Senior Building Inspector:

- The primary building and construction official oversees the progress of construction, stormwater material upkeep, and compliance. The building inspector may issue stop-work orders should they deem necessary.

Code Enforcement Officer:

- The code enforcement officer responds to citizen concerns and oversees municipal code compliance within the city. The code enforcement officer issues NOVs, tickets, and can address fines in court.

Public Works Director:

- Manages Parks, Sanitation, Streets, and Water Treatment. The Public Works director may also direct crews to address and isolate stormwater incidents.

Public Works Crews:

- The public works crews specialize in the maintenance and operations of various public works fields. The streets crew operates street sweeping equipment, cleans out storm drains, installs sewer & water lines, and makes subsequent repairs. Sanitation crews perform the biannual bulk pick-up events and manage the removal and storage of waste. Utility Crews discover, report, and reverse illicit connections and potential issues.

Best Management Practices explanation

It is the intention of the city to utilize this portion of the SWMP to provide further explanation and justification to each of the listed BMPs. Detailed BMP tables and associated forms are provided in the Appendix.

MCM 1: Public Education

1. **Blue Thumb's Living in Town pamphlet**- Distribute Blue Thumb's *Living in Town* pamphlet at City Hall to promote stormwater awareness and pollution prevention. It encourages rain barrels and rain gardens, and the city tracks rain barrel sales from the annual regional sale to measure engagement.

2. **Best Management Practices for Bethany Businesses-** Each year, with business license renewals, the city includes (BMPs) for Bethany Businesses. This annual distribution serves as a reminder of local stormwater standards and encourages businesses to maintain compliance with pollution prevention practices throughout the year.

3. **Education Outreach Home & Garden Show-** Partner with COSWA and nearby MS4 communities to host a stormwater outreach booth at the OKC Home Show. This event was chosen for its large audience and effective opportunity to educate residents about protecting local water quality.

4. **PSA Local Television/ Radio-** Support COSWA's "Everyday Environmentalist" campaign to expand regional stormwater outreach. Pooling resources with other MS4s increases reach and demonstrates a unified regional effort toward pollution prevention.

5. **Support Regional Agency-** Annually confirm payment to COSWA and actively participate to expand regional stormwater outreach. Pooling resources with other cities allows us to reach more people and strengthen regional education efforts.

6. **Education Program for Developers-** As needed require developers who are receiving a OKR10 Permit through ODEQ to review stormwater ordinances and complete a stormwater quiz. This will fulfill educating developers about Bethanys Stormwater ordinances. The city will track number of stormwater quizzes completed and evaluate compliance.

7. **303(d) list of impaired waters** – As needed promote responsible pet waste disposal to dog owners using the dog park near the impaired water body. Pet waste contains bacteria and nutrients that contribute to water quality impairment. By targeting dog park users near the impaired water body, the city can reduce potential contamination. Making sure doggy bags are given out at community events and through adoptions at Animal Welfare.

Public Involvement

1. **Compliance with State & Local Public Notice Requirements-** Public notices are issued within 21 days for stormwater-related meetings to ensure transparency, invite community input, and maintain compliance with state and local requirements.

2. **Household Hazardous Waste Collection-** Partner with Oklahoma City to give Bethany residents access to household hazardous waste disposal. This partnership provides a safe, convenient way to remove hazardous materials and prevent stormwater pollution.

3. **Participation in Clean-Up Events-** Participate annually in the Great American Clean-Up to engage the community in litter prevention and beautification, helping reduce pollutants entering the stormwater system.

4. **Community Builds Community Volunteer Program-** The CBC program promotes neighborhood engagement and supports stormwater management goals. By assisting with property and park cleanups, volunteers help prevent trash and debris from entering the stormwater system, improving water quality and community appearance.

5. **Landfill Days-** A partnership with Oklahoma City offers residents free access to the landfill on designated Landfill Days. This BMP reduces illegal dumping, keeps neighborhoods clean, and protects stormwater quality.

6. **Rain Barrel Sale**-Bethany promotes the COSWA Regional Rain Barrel Pickup to encourage residents to conserve rainwater, reduce stormwater runoff, and support sustainable practices in the community.

7. **Discuss Phase II Programs in Public Meetings**- Stormwater Program to be discussed at least once during the calendar year. Discussing the SWMP at least once per year during a public meeting promotes transparency, accountability, and leadership awareness of the program's progress and compliance.

8. **Watershed Demonstration-** Using this hands-on model at public events lets children and the public see how pollution impacts local waterways, promoting stormwater education and encouraging pollution prevention practices.

9. **Community Events**- Participating in community events allows the city to engage residents in activities like Fish Stamping, which promote stormwater pollution prevention and encourage behaviors that protect local waterways. The activity also provides an easy-to-make take-home item with water quality information on the back, reinforcing the educational message.

10. **Public Reporting**- Publishing these documents ensures transparency, informs the public about stormwater management efforts, and demonstrates the City's commitment to MS4 compliance, making it an effective BMP.

11. **Public Reporting System "Report a Concern" -** The "Report a Concern" system engages the public to act as extra eyes in the community, helping identify illicit discharges, illegal dumping, and flooding issues available 24/7. This supports both public involvement and illicit discharge detection efforts within the stormwater program.

MCM 3: Discharge Detection & Elimination

1. **Quarterly Water Test-** The Stormwater Manager performs quarterly testing for pH and chlorine to detect possible treated water leaks or other contaminants. Findings are recorded and used to guide maintenance, corrective actions, and compliance reporting, helping protect public health and ensure water quality standards are met.

2. **Illicit Discharge Prohibition and Enforcement-** The City of Bethany reserves the right to abate any source of pollution that presents a clear hazard to the health, safety, and welfare of its citizens; of which stormwater quality must be protected as a result. The Code Enforcement officer may issue NOVs, tickets, and engage in abatement should the issue be resolved immediately. Under § 54.11 ADMINISTRATIVE REMEDIES AND PENALTIES FOR VIOLATIONS. The city will respond to reported notifications within 72 hours.

3. **Dry Weather Field Screening and Priority Area Identification -** The program will use a priority-based approach to focus inspections in areas with a higher likelihood of illicit connections or discharges. Biannual inspections are performed of the city's infall &

outfall locations, to identify issues with the physical nature of these sites, as well as identify pollutants within these channels. The priority area list will be reviewed and updated annually to reflect changing conditions and inspection results.

4. **Illicit Discharge Detection and Elimination (IDDE) Training-** Public Works staff receive yearly training on identifying and responding to illicit discharges, supporting early detection, prompt action, and protection of local waterways.

5. **Field Observations and Inlet Maintenance Monitoring-** Public Works inspects and clears inlets, bridges, and overpasses, removing silt, dirt, and debris as resources allow. This proactive maintenance prevents flooding, ensures system functionality, and supports early detection of blockages or illicit discharges.

6. **Municipal facilities BMP list and spill response plan-** The Stormwater Manager will annually review the BMP list and spill response plan for the City's Public Works and Water Treatment Plant facilities. This review ensures that pollution prevention practices, material handling procedures, and emergency response protocols remain effective and current.

7. **Illicit Discharge Reporting Sheet-** City staff will document and report any observed or suspected illicit discharges using the designated reporting form. This process ensures accurate tracking, prompt investigation, and corrective action to prevent pollutants from entering the stormwater system.

8. **Visual Screening and Field Testing for Illicit Discharge Identification-** The city will identify potential illicit discharges using visual indicators observed during dry weather field screening and through the use of simple field test kits when needed. Any laboratory work will be reserved for situations where a potential illicit discharge has been identified and enforcement action or source confirmation is necessary that is not possible from visual and simple field testing. The city will keep track of any labs needed.

9. **Management of Incidental Non-Stormwater Discharges-** Discharges are considered unauthorized unless they are determined not to be a substantial contributor of pollutants to waters of the state, in accordance with Part II(B)(2) of the MS4 permit. We will comply with this list.

MCM 4: Construction Site Management

1. **Construction Site Tracking-** Regularly checking the number of active OKR10 permit sites in Bethany helps identify unpermitted sites, reduce potential pollutant discharges, and ensure consistent enforcement of construction stormwater regulations within the MS4 area.

2. **Utilization of SWPP -** Ensure all new construction projects requiring an OKR10 permit submit a SWPPP. With new software, no permits will be authorized until both the SWPPP and OKR10 approval are submitted. This BMP ensures construction activities implement required practices to reduce pollutants in stormwater runoff. Software to be implemented at the start time middle of 2026.

3. **Active Site Inspections-**Conduct quarterly inspections per Table V-5 to identify and address site issues early, preventing damage and reducing pollutants in stormwater runoff.

4. **Site Plan Reviews-**Engineering and Community Development staff review all new commercial and residential site plans to ensure stormwater management compliance, including proper design and implementation of erosion controls.

5. **Construction Site training-** Conduct annual training for Community Development staff on inspection and enforcement of erosion and sediment control measures, ensuring they stay informed on permit requirements, procedures, and BMPs.

6. **Education Program for Developers-** Developers pulling permits will need to review stormwater ordinances and complete a stormwater quiz. This will fulfil educating developers about Bethanys Stormwater ordinances. This is the same as BMP 7 from MCM 1.

MCM 5: Post Construction Site Management

1. **Final Site Inspections-** A final inspection of sites will be conducted to ensure that final stabilization is met, and standards have been met for the building and the site. Should the site not meet these standards, then the city will not issue a certificate of occupancy until they have been corrected.

2. **Landscaping Ordinance § 155.10 Landscaping Requirements -** Per § 155.10. All new non-residential development and redevelopment areas and all new residential development/ redevelopment of six or more dwelling units and/or three or more acres shall comply with the provisions of this section for landscaping requirements. Landscaping requirements help reduce soil erosion, improve infiltration, and decrease the volume and velocity of stormwater runoff.

3. **Assess current engineering requirements for impervious cover-** Annual review of existing street design and off-street parking standards that affect impervious cover as well as (LID) techniques. Based on this review, the City will either maintain current requirements where they are determined to adequately address impervious surface

impacts through landscaping, site design, and stormwater management provisions. Or update the techniques if possible and needed.

4. **Review Construction Site Runoff Ordinances-** Annual review of existing street design and off-street parking standards that affect impervious cover as well as (LID) techniques. Based on this review, the city will either maintain the current requirements where they are found to adequately address impervious surface impacts through landscaping, site design, and stormwater management, or update the requirements where improvements are needed.

5. **Develop a Development Agreement-** Community Development will create and require development agreements for large-scale developments to ensure the long-term operation and maintenance of their developments. By the end of 2026, development agreements will be standard practice for all large-scale developments in Bethany.

6. **Land Disturbing Information-** As needed community development will attach information on erosion and sediment controls, stabilization and final inspection information in a letter to approved permits for land disturbing. Providing this information with permit approval ensures permittees understand requirements upfront, promoting compliance and reducing sediment runoff and violations.

7. **MCM 6: Municipal Good Housekeeping**
    1. **Debris Control at MS4 Facilities and Management-** Maintaining debris and proper material control at municipal facilities through storage and upkeep of wash and repair areas, and annual inspections with improvements as needed. The city will maintain and annually update an inventory of all MS4 operations impacted by this program. Also keep a list of all industrial facilities owned or operated by the city that are subject to OKR05, or individual OPDES or NPDES permits. This BMP ensures high operational standards and prevents pollutants from entering the stormwater system.

    2. **Stormwater Training for City Staff-** The Stormwater Manager will provide annual municipal training for City staff. Training enhances staff awareness and reinforces the city's commitment to maintaining a strong, compliant, and effective stormwater management program.

    3. **Municipal facilities BMP list and spill response plan-** The Stormwater Manager will annually review the BMP list and spill response plan for the City's Public Works and Water Treatment Plant facilities. This review ensures that pollution prevention practices, material handling procedures, and emergency response protocols remain effective and current.

4. **City Vehicle Wash Practices-** The Stormwater Manager will annually review City facility vehicle washing practices to ensure wash water is properly managed, directed to the sanitary sewer or contained, and biodegradable, non-phosphate detergents are used when possible. This BMP helps prevent contaminated runoff from entering the stormwater system.

5. **Stabilization & Erosion Control-** Public Works staff will implement and maintain appropriate BMPs during all routine maintenance and emergency repairs of water and sewer lines. For minor repairs or emergency contracts, typically the contractor will be disturbing an area that could be as small as 20'x20' (.0004 acres) so no OKR-10 is required, but if it involves erosion control then BMP's should be installed to the best of their ability. The City of Bethany adheres to Oklahoma City's stormwater measures

6. **Stormwater Maintenance activities**- Even though maintenance is performed as needed, documenting and conducting these activities remains a good practice to prevent pollution, reduce flooding risks, and maintain stormwater system efficiency.

7. **Bulk Waste Pick-Up**- The Sanitation Department provides biannual bulk waste collection for residents. This BMP helps prevent illegal dumping and reduces debris that could enter the stormwater system.

8. **Contractor Compliance with Stormwater Requirements-** When needed the city engineers provide a Stormwater Pollution Prevention sheet that is inserted into construction drawings. Any disturbance over 1 acre requires an OKR-10 permit from the ODEQ for any type of public or private development. For projects less than 1-acre best management practices should be implemented. For minor repairs or emergency contracts, typically the contractor will be disturbing an area that could be as small as 20'x20' (.0004 acres) so no OKR-10 is required, but if it involves erosion control then BMP's should be installed to the best of their ability. The City of Bethany adheres to Oklahoma City's stormwater measures

Public Education and Outreach

Table V-2 Minimum Public Education and Involvement Activities per year			
1	Public education - 4 activities per year	MCM1- Table 1. Five Activities	x
	Public involvement- 2 activities per year	MCM1 Table 2. 11 Activities	x
3	Outreach or educational activity for illicit discharge- once per year	Watershed Demonstration and Community Events	x

	Staff training- once per year	Illicit Discharge Detection and Elimination (IDDE) Training	x
4	Outreach or educational activity for construction runoff	SWPPP and Site Plan Reviews	x
4	Staff training- once per year	Construction Site training	x
6	Staff training- once per year	Stormwater Training for City Staff	x

Activities Calendar

Month	Activities Calendar
July	Begin Permit Cycle - Re-order Testing Supplies (If needed). Post on social media about stormwater education.
August	Facilitate public education watershed model event with Bethany Public Library. Support COSWA's "Everyday Environmentalist"
September	Dry Weather Field Testing and Quarterly Water Test. Gather information for the annual report. Update SWMP. OKR10 Site inspections. Pay Dues to COSWA.
October	Annual Report Due. Bulk waste pickup. Public participation at the annual Boo Bash hosted by YMCA and Bethany Public Library.
November	Landfill day. City Staff training with Blue Thumb.
December	Quarterly Water Test. OKR10 Site inspections. Publish Annual Report and SWMP. Annual Facility inspection.
January	Restock Brochures as needed. (Public Works Training). Post on social media about Rain Barrel Sale and Great American Clean-Up. Home& Garden Expo.
February	Dry Weather Field Testing. Post on social media about Rain Barrel Sale and Great American Clean-Up. Community Development Training.
March	Quarterly Water Test. Bulk Waste Pickup. Post on social media about Rain Barrel Sale and Great American Clean-Up. OKR10 Site inspections.
April	Rain Barrel Sale and Great American Clean-Up
May	Quarterly Water Test. Have Public Meeting related to Stormwater. Publish Stormwater Related Educational Material either on social media or Bethany Bulletin.

June	End Permit Cycle- Review Practices & Policies. Promote Watershed Event with Bethany Public Library on social media. OKR10 Site inspections. Send out Business License Renewals with BMP information.

Annual Report

The annual report covers municipal activities, BMP metrics, successes & failures of specific programs, and an evaluation of BMP effectiveness. The City of Bethany files on a fiscal year basis, reporting on a period of July 1st through June 30th with the report being due on October 31st of the reporting year. The annual report will be published upon completion on the City of Bethany Website.

Program Development

While the purpose of this document is to illustrate and guide the responsible parties for MS4 maintenance and operations, it must be stated that the program must not remain static. The SWMP will be evaluated and continuously developed throughout its life cycle to meet new standards, improve effectiveness and operational efficiency, and to best reflect the needs of the city. The SWMP will be evaluated at the end of each reporting cycle, allowing staff to determine the effectiveness of the plan, and include any changes or notes to this plan in the annual report later that year. It is the responsibility of the stormwater manager to update this plan with input from participating parties (Public Works, Building Inspections, Engineering, etc.).
The calendar below, while detailed, is subject to change throughout the lifecycle of the SWMP. This is due to the ever-changing needs and capabilities of the city, its citizens, and the staff performing these operations.

2023– New Plan Implementation

- Achieve “Stormwater Qualified” certifications for all members of staff inspecting stormwater systems.
- Distribution of new monthly stormwater checklists to each department, and allow for the
- Complete SOPs for each procedure performed in the reporting cycle.

2024 – SWMP Evaluation & Further Advancement

- Evaluate SWMP effectiveness of reporting and address responsibilities for departments.
- Begin implementation of GIS software for municipal departments
- Review existing marketing materials, physical & digital for information and design.

2025 – Bolstering Performance

- Continue GIS mapping of the city and
- TMDL Pollutant Baseline Monitoring Program
- Review of SOPs and their effectiveness.

2026 – Betterment and Continuation/ End of Program Cycle, Beginning of New Permit

- 75% Completion of GIS database
- Evaluation of effectiveness in 2026 SWMP.

- Review water quality testing measures.
- Finalize and submit NOI and SWMP for 2026- MS4 Permit Cycle

Evaluations & Audits

Self-Evaluations

Community Development performs an annual program and BMP review to assure their effectiveness and to identify the program's strengths & weaknesses. The Public Works department also performs annual evaluations to ensure program effectiveness, and possible needs with equipment and facilities. It is the intent of this plan to combine the efforts of the Community Development & Public Works Departments to foster a culture of action and accountability, while also improving interdepartmental communication.

Audits

Once every 5 years, the ODEQ will audit the city of Bethany's stormwater program. A template has been designed by the water quality division to facilitate, and operates within eight sections as seen below:

ODEQ Audit Checklist		
#	Item	Activities – Sample Questions
1	SWMP	Do you have a new plan? Have you submitted an NOI or modification request?
2	Public Education & Outreach	Have you created an education outreach program?
3	Public Participation and Involvement	Do you have public activities? Mechanisms for receiving complaints?
4	Illicit Discharge Detection and Elimination	Is an ordinance in place? Do you have a map of the MS4? Where is your DWFS report?
5	Construction Site Runoff Controls	What ordinances cover construction? What are the construction site BMPs?
6	Post-Construction in New Development and Redevelopment	Please provide examples of BMPs, master plans, open space, buffers, LID, etc.

7	Pollution Prevention/Good Housekeeping for MS4 Operations	Do you have a log of rain events and a database of findings? What training materials do you use?
8	Municipal Construction Activities	Does the city perform its own construction? *In this instance Bethany contracts out projects

Contact Information

Mayor & City Council (January 2026) – 405.789.2146
Mayor – Amanda Sandoval
City Manager – Elizabeth Gray
Ward I – Peter Plank & Chris Powell
Ward II – Ken Smart & Burt Falkner
Ward III – Kathy Larsen & Chandra Ford
Ward IV –Aja Triana & Brian Magirowsky

Department of Community Development – 405.789.6005
Director of Planning & Community Development – Brett Crecelius
Stormwater Manager & Community Development Associate – Raquelynne Diaz

Public Works – 405.789.6285
Director of Public Works – Phil Stowell

Appendix

1,Abbreviations

INDEX	DEFINITION
BMP	Best Management Practice
CSO	Combined Sewer Outflow
CWA	Clean Water Act
DEQ	Department of Environmental Quality

DO	Dissolved Oxygen
EPA	Environmental Protection Agency
GIS	Geographic Information Systems
GPS	Global Positioning System
LID	Low Impact Development
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer System
NOI	Notice of Intent
NOV	Notice of Violation
NPDES	National Polluant Discharge Elimination System
NPS	Non-Point Source
OAC	Oklahoma Administrative Code
ODEQ	Oklahoma Department of Environmental Quality
OPDES	Oklahoma Pollution Discharge Elimination System
OWQS	Oklahoma Water Quality Standards
POTW	Publicly Owned Treatment Works
SMS4	Small Municipal Separate Storm Sewer System
SWMP	Stormwater Management Plan
SWMPPP	Stormwater Pollution Prevention Plan (aka SWP3)
SWPMP	Stormwater Pollution Management Plan

TMDL	Total Maximum Daily Load
WQS	Water Quality Standards

2. Definitions

All definitions contained in Section 502 of the Act and 40 CFR §122 shall apply to this permit and are incorporated herein by reference. For convenience, simplified explanations for some regulatory/statutory definitions have been provided, but in the event of a conflict, the definitions found within the Statute of Regulation take precedence.

Best Management Practices (BMPs) - The schedule of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of the waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Construction Site Operator - The party or parties that meet one or more of the following descriptions: (I) Has operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications or; (II) Has day-to-day operational control of those activities at a project that are necessary to ensure compliance with a Stormwater Pollution Plan for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the SWP3 or comply with other permit conditions).

Control Measure – As used in this permit refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to the waters of the State.

CWA or The Act – Refers to the Clean Water Act (formerly known as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972).

Director – The Executive Director or Chief Administrator of the Department of Environmental Quality or an authorized representative.

Discharge – When used without a qualifier, refers to “discharge of a pollutant” as defined at 40 CFR § 122.2.

Illicit Connection – Any manufactured conveyance which connects an illicit discharge directly to a municipal separate storm sewer.

Illicit Discharge – Defined at 40 CFR §122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not entirely composed of stormwater, except discharges authorized under an OPDES or NPDES permit (other than the OPDES permit for discharges from the MS4) and discharges resulting from fire-fighting activities.
Infall – The place in which stormwater from another MS4 enters city limits.

MEP – An acronym for "Maximum Extent Practicable," the technology-based discharge standard for Municipal Separate Storm Sewer Systems to reduce pollutants in stormwater discharges that was established by 40 CFR §122.34.

MS4 – An acronym for "Municipal Separate Storm Sewer System and is used to refer to Small, Medium, or Large Municipal Separate Storm Sewer Systems. The term is used to refer to either the system operated by a single entity or a group of systems within an area that are operated by multiple entities (e.g., the Oklahoma City MS4 includes MS4s operated by Oklahoma City, the Oklahoma Department of Transportation, et al.).

Municipal Separate Storm Sewer System – Defined within 40 CFR §122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, gutters, ditches, man-made channels, or storm drains): (I) Owned or operated by a state, city, town, borough, county, parish, district, association, or any other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district, or drainage district. This also includes a similar entity, an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under Section 208 of the CWA that discharges to waters of the United States; (II) Designed or used for collecting or conveying stormwater; (III) Which is not combined sewer; and (IV) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR §122.2.

NOI – An acronym for "Notice of Intent" to be covered by this permit and is the mechanism used to "register" for coverage under a general permit.

Outfall – A place in which stormwater from the permitted MS4 (e.g., the City of Bethany) leaves the city limits.

Recharge Area – An area where stormwater drains into groundwater and resurfaces as a spring or flows to a well.

Small Municipal Separate Storm Sewer System – Defined as 40 CFR § 122.226(b)(16) and refers to all separate storm sewers that are owned or operated by the United States, a state, city,

town, county, district, association, or other public body (created by our pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or designed and approved management agency under section 208 of the CWA that discharges to waters of the state, but is not defined as “large” or “medium” municipal storm sewer system. This term includes systems like separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, highways, and other thoroughfares. This term does not include separate storm sewers in very discrete areas, such as individual buildings.

Stormwater – Defined at 40 CFR §122.26(b)(13) and means stormwater runoff, snow melt runoff, and surface runoff & drainage.

Stormwater Management Program – A comprehensive program to manage the quality of stormwater discharged from the municipal separate storm system.

Watershed – An area of land that drains to a specific river or lake.

MCM 1 BMPs Public Education	Responsibility	Target Audience	Frequency	Activity Description	Measurable Goal	Rationale	
Blue Thumb's Living in Town pamphlet	Stormwater Manager	General Public	Biannual Restocking (Fall & Spring). Distribute 50 brochures annually. 25 in the fall and 25 in the spring.	The City distributes Blue Thumb's "Living in Town" pamphlet to residents and visitors at City Hall. The pamphlet provides practical information on stormwater awareness, pollution prevention, and simple actions residents can take to protect local waterways.	Review the number of rain barrels purchased this year and compare it with the total from last year.	The brochure promotes rainwater harvesting practices, such as installing rain barrels and rain gardens. To measure engagement with this topic, the City will track and report the number of rain barrels sold during the annual sale co-hosted with the Cities of Yukon and Mustang.	Public Education
Best Management Practices for Bethany Businesses	Community Development Department	Bethany Business li	Once per year	Each year, with business license renewals, the City includes (BMPs) for Bethany Businesses.	Provide BMP information to all business license holders during annual renewal and evaluate effectiveness by comparing the number of illicit discharge reports from businesses before and after implementation.	This annual distribution serves as a reminder of local stormwater standards and encourages businesses to maintain compliance with pollution prevention practices throughout the year.	Public Education
Education Outreach Home & Garden Show)	Stormwater Manager	General Public	Once per year	The City collaborates with (COSWA) and other municipal MS4 communities to conduct regional public outreach on stormwater awareness.	Track the number of attendees who visit the booth at the OKC Home Show and engage with stormwater educational materials.	The OKC Home Show is well attended and our booth gives us an opportunity to talk to people about water	Public Education
PSA – Local Television/Radio	General Public	General Public	Once per year	The City supports COSWA's "Everyday Environmentalist" campaign to promote regional stormwater awareness and pollution prevention. Participation includes contributing to campaign recordings or paying annual dues to help fund continued public education efforts.	Track the estimated number of impressions or audience reached through the PSA campaign, with the goal of increasing regional awareness of stormwater pollution prevention and demonstrating a unified outreach effort among participating municipalities.	We are able to reach more people in the region by pooling our money together through COSWA and doing an outreach campaign with several cities pitching it also shows a unified approach from the municipalities with MS4s	Public Education
Support Regional Agency	Community Development Department	General Public	Once a year	Confirm that the City's annual membership dues to COSWA are paid each year.	Confirm annual payment of COSWA membership dues and maintain active participation in at least one regional outreach or coordination effort each year to support shared stormwater education goals.	We are able to reach more people in the region by pooling our money together through COSWA	This helps with our Public Education
Education Program for Developers	Community Development Department	Developers	As needed	The City will require developers who are receiving a OKR10 Permit through ODEQ to review stormwater ordinances and complete a stormwater quiz. This will fulfill educating developers about Bethanys Stormwater ordinances.	The City will track the number of stormwater quizzes completed by construction permit applicants against the number of construction site discharges to evaluate program effectiveness and compliance.	Tracking stormwater quiz completion relative to the number of construction site discharges helps the City evaluate the effectiveness of its education program. By comparing knowledge gained through the quiz with actual site compliance, the City can identify gaps in understanding, target additional training, and reduce the risk of unauthorized discharges, supporting overall stormwater management objectives.	Public Education
303(d) list of impaired waters	Community Development Department	Community	As needed	The City will promote responsible pet waste disposal to dog owners using the dog park near the impaired water body. This will include:Distribution of "Bethany Baggies" at community events (e.g., Boo Bash) and through collaboration with Animal Welfare for pet adoptions.	Track reported complaints or observed incidents of pet waste in or near the water body.	Pet waste contains bacteria and nutrients that contribute to water quality impairment. By targeting dog park users near the impaired water body, the City can reduce potential contamination.	Public Education

MCM 1 BMPs Public Involvement	Responsibility	Target Audience	Frequency	Activity Description	Measurable Goal	Rationale	
Compliance with State & Local Public Notice Requirements	Community Development Department	General Public	When needed/ Once a year	Public notice delivered within 21 days of a SW related meeting.	Compliance is measured by documenting that all required public notices are issued on time, accessible to the public, and include opportunities for comment or feedback.	Ensuring public notices are issued and accessible promotes transparency, allows community input, and helps the City meet state and local regulatory requirements for stormwater management.	Public Involvement
Household Hazardous Waste Collection	OKC Partnership	General Public	Available 24/7 through partnership with OKC	Partner with the City of Oklahoma City to provide Bethany residents access to household hazardous waste collection services, allowing for the safe disposal of chemicals, paints, and other hazardous materials.	Track Invoices/payment of use	By funding household hazardous waste collection through a partnership with OKC, the City ensures residents have convenient access to safely dispose of chemicals and other hazardous materials.	Public Involvement
Participation in Clean-Up Events	Community Development Department	General Public	Once a year	Annual participation Great American Clean-Up	Track how many participants and bags	Participating in the Great American Clean-Up allows the City of Bethany to engage the community in litter prevention and beautification efforts that directly reduce pollutants entering the stormwater system.	Public Involvement
Community Builds Community Volunteer Program	Community Development Department	General Public	As needed	The CBC program promotes neighborhood engagement while supporting stormwater management goals. By assisting with property and park cleanups, volunteers help prevent trash, debris, and other pollutants from entering the stormwater system, improving water quality and overall community appearance.	Track how many clean ups/ volunteer information	Supporting the CBC program encourages community involvement in maintaining clean neighborhoods while reducing pollutants that could enter the stormwater system. Engaging residents in cleanup efforts fosters shared responsibility for water quality protection and enhances the overall appearance of the community.	Public Involvement
Landfill Days	OKC Partnership	General Public	As needed	The City of Bethany, in partnership with the City of Oklahoma City, provides Bethany residents with free access to the landfill during designated *Landfill Days* . This program gives residents an opportunity to properly dispose of large household items, yard waste, and other bulky materials at no cost.	Track Customers and Tonnage	These efforts help reduce illegal dumping in creeks, ravines, and other sensitive areas, supporting cleaner neighborhoods and improved stormwater quality.	Public Involvement
Rain Barrel Sale	Stormwater Manager	General Public	Once per year	This program provides discounted rain barrels to residents, promoting water conservation, reducing stormwater runoff, and encouraging sustainable practices throughout the region.	Document the total number of rain barrels purchased by Bethany residents during the annual Rain Barrel Pickup program, with the goal of maintaining or increasing participation compared to the prior year.	Encouraging more Bethany residents to participate in the Regional Rain Barrel Pickup program supports local rainwater conservation and helps reduce stormwater runoff throughout the community.	Public Involvement
Discuss Phase II Programs in Public Meetings	Community Development Department	General Public	Once per year	Stormwater Program to be discussed at least once during the calendar year.	Track follow-up actions resulting from the public meeting or citizen panel, including new reports of illicit discharges and comments related to the Stormwater Management Plan (SWMP).	Discussing the SWMP at least once per year during a public meeting promotes transparency, accountability, and leadership awareness of the program's progress and compliance status.	Public Involvement
Watershed Demonstration	Stormwater Manager	General Public	Once per year	Use an interactive watershed model at public events to engage children and the general public in stormwater education, demonstrating how pollution impacts local waterways and encouraging pollution prevention practices.	Track the number of participants interacting with the watershed model. The goal is to educate the public and foster a more informed community about stormwater pollution prevention and its impacts.	Engaging the public, especially children, through the interactive watershed model helps increase awareness of stormwater pollution, encourages discussions about pollution prevention, and fosters a more informed community that can take action to protect local waterways.	Public Involvement
Community Events	Stormwater Manager	General Public	Once per year or as needed	The Fish Stamping activity helps raise public awareness that storm drains lead directly to local creeks and rivers. Sharing educational materials that highlight everyday pollution prevention practices.	Track the number of participants completing the Fish Stamping activity at the community event. The goal is to increase public awareness of stormwater pollution and educate residents on pollution prevention practices.	The activity engages the general public in a hands-on, memorable way. The City promotes pollution prevention awareness and encourages residents to adopt behaviors that protect water quality.	Public Involvement
Public Reporting	Community Development Department	General Public	Once per year	Annual (Publishing of Annual Report & SWMP)	Publish the City's Stormwater Management Program (SWMP) and Annual Report on the City's website once per year to provide public access and transparency.	Making the SWMP and Annual Report publicly available promotes transparency, encourages community engagement, and demonstrates the City's ongoing commitment to MS4 compliance.	Public Involvement
Public Reporting System – "Report a Concern	Community Development / Public Works	General Public	As needed	The City maintains an online "Report a Concern" system that allows residents to report potential illicit discharges, illegal dumping, drainage issues, or other stormwater concerns 24/7	Monitor the reporting system year-round. Track the number and type of stormwater-related reports received	The "Report a Concern" system engages the public to act as extra eyes in the community. This supports both public involvement and illicit discharge detection efforts within the stormwater program.	Public Involvement

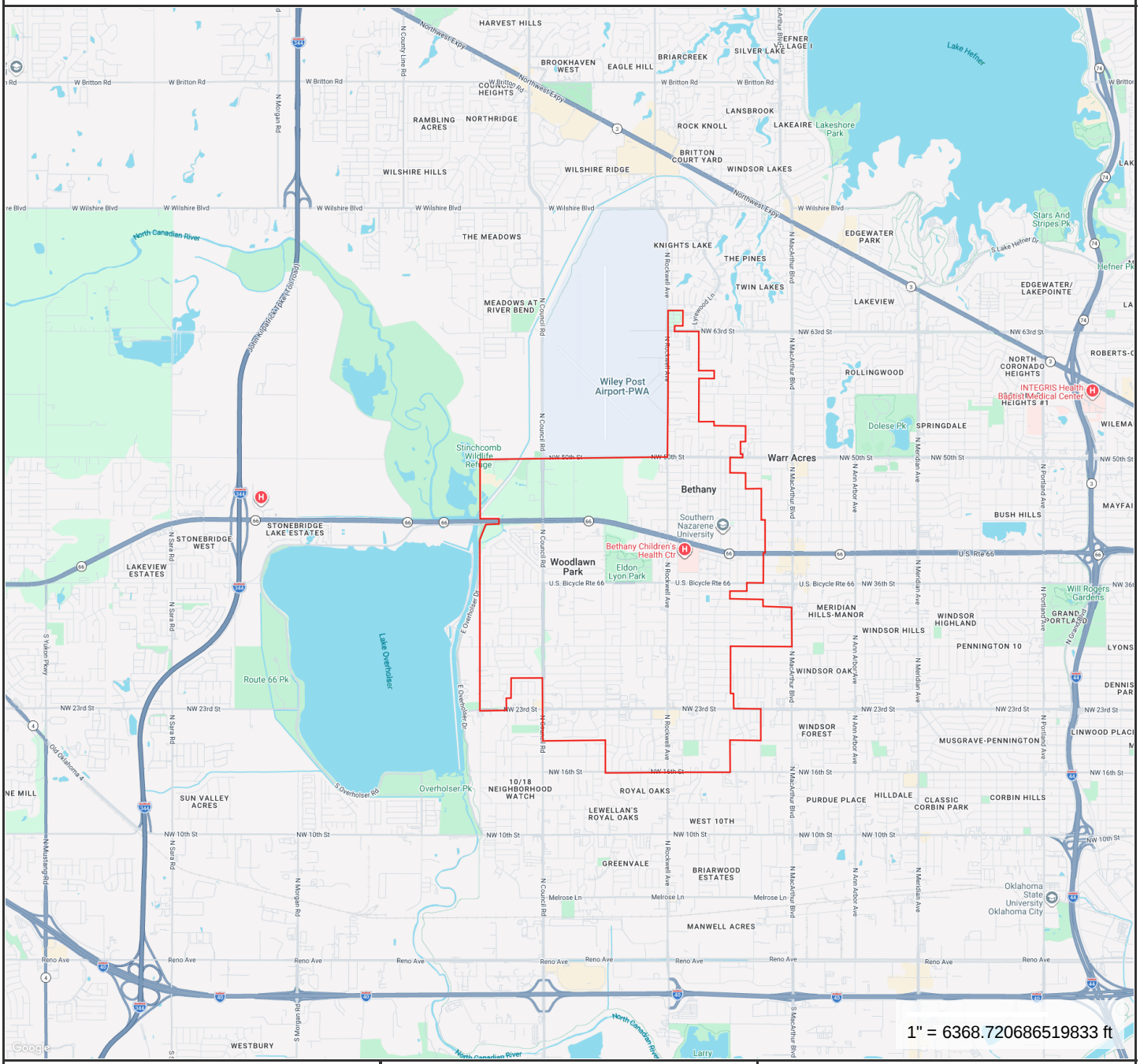
MCM 3 BMPs Illicit Discharge Detection and Elimination	Responsibility	Target Au	Frequency	Activity Description	Measurable Goal	Rationale
Quarterly Water Test	**City Staff**	City Staff	Quarterly	The Stormwater Manager will perform quarterly testing for pH and chlorine will be used to detect possible treated water leaks or other contaminants. Findings from each inspection will be recorded and used to guide maintenance, corrective actions, and compliance reporting.	Complete scheduled quarterly inspections each year and maintain records of pH and chlorine levels for all monitored locations.	Quarterly water quality testing help detect contaminants, treated water leaks, or biological growth in the storm sewer system, protecting public health and ensuring compliance with water quality standards.
Illicit Discharge Prohibition and Enforcement	**Code Enforcement**	General Public	Within 72 hours of initial report	The City of Bethany reserves the right to abate any source of pollution that presents a clear hazard to the health, safety, and welfare of its citizens; of which stormwater quality must be protected as a result. The Code Enforcement officer may issue NOVs, tickets, and engage in abatement should the issue need to be resolved immediately. Under § 54.11 ADMINISTRATIVE REMEDIES AND PENALTIES FOR VIOLATIONS.	Respond to and initiate corrective action for reported pollution sources within 72 hours of notification. Maintain records of the type of enforcement used and outcome.	Allowing the City to take direct action against pollution sources helps prevent contaminants from entering the stormwater system, safeguards local waterways, and reinforces compliance with environmental regulations while promoting community accountability.
Dry Weather Field Screening and Priority Area Identification	**Stormwater Manager**	City Staff	Biannual Inspections	The program will use a priority-based approach to focus inspections in areas with a higher likelihood of illicit connections or discharges.Biannual inspections are performed of the city's infall & outfall locations, to identify issues with the physical nature of these sites, as well as identify pollutants within these channels. The priority area list will be reviewed and updated annually to reflect changing conditions and inspection results.	Conducting Dry Weather Field Screenings on 40% of outfalls each year to identify and address potential sources of pollution. Track findings and use results to update the priority area list annually.	A priority-based DWFS program allows the municipality to focus limited resources where they are most effective. Annual updates ensure the program remains adaptive and responsive to changing conditions.
Illicit Discharge Detection and Elimination (IDDE) Training	**Public Works**	Citywide	Once a year	Provide annual training to Public Works staff on identifying, reporting, and responding to illicit discharges. Training will be done by a Youtube video or can be done by one of the DVDs community development owns.	Conduct one annual IDDE training session for Public Works staff. Maintain attendance and training materials.	Public Works staff are frequently in the field and play a key role in identifying illicit discharges and ensuring prompt response. Regular training reinforces awareness of stormwater regulations, improves early detection, and helps prevent pollutants from entering the storm system or local waterways.
Field Observations and Inlet Maintenance Monitoring	**Public Works**	Citywide	As needed/ when possible	Public Works inspects and clears stormwater inlets, bridges, and overpasses .Crews remove silt, dirt, and debris using available equipment. The City does not have a dedicated street sweeper but performs debris removal as resources allow.	Maintain logs of cleanups performed throughout the year. Record dates, locations, type of maintenance performed	Proactive maintenance prevents flooding, maintains system function, and supports early detection of illicit discharges or blockages within the stormwater system.
Municipal facilities BMP list and spill response plan	**Stormwater Manager**	Public works and Water Treatment Plant	Once a year	The Stormwater Manager will annually review the BMP list and spill response plan for the City's Public Works and Water Treatment Plant facilities. This review ensures that pollution prevention practices, material handling procedures, and emergency response protocols remain effective and current.	Review and update the BMP list and spill response plan once per year. If no updates or changes are needed, document that existing BMPs and procedures remain effective and in place.	Municipalities can contribute significant pollution to the MS4.The intent of these BMPs is to hold the City to a high operational standard that actively works to prevent and eliminate pollution.This will help with maintenance and spill response preparedness.
Illicit Discharge Reporting She	**City Staff**	Citywide	As needed	City staff will document and report any observed or suspected illicit discharges using the designated reporting form. This process ensures accurate tracking, prompt investigation, and appropriate corrective actions to prevent pollutants from entering the stormwater system	Maintain a record of reported illicit discharges	Recording and reporting all illicit discharges ensures timely response and corrective action
Visual Screening and Field Testing for Illicit Discharge Identification	**City Staff**	Citywide	As needed	The City will identify potential illicit discharges using visual indicators observed during dry weather field screening and through the use of simple field test kits when needed. Any laboratory work will be reserved for situations where a potential illicit discharge has been identified and enforcement action or source confirmation is necessary that is not possible from visual and simple field testing.	Conduct visual inspections during all dry weather field screening activities to identify indicators of illicit discharges, including but not limited to: Unusual color or turbidity, Odors (e.g., sewage, chemical, petroleum),Oil sheen, suds, or foam. Utilize laboratory analysis only when field observations and screening results indicate a likely illicit discharge and additional confirmation is needed to support enforcement actions. Keep track of any labs needed.	Visual indicators and simple field test kits provide an efficient and cost-effective method for identifying potential illicit discharges during routine field activities. Laboratory analysis is reserved for confirmed or high-risk situations to ensure efficient use of resources and support enforcement actions.
Management of Incidental Non-Stormwater Discharges	**City Staff**	Citywide	Once a year	Discharges are considered unauthorized unless they are determined not to be a substantial contributor of pollutants to waters of the state, in accordance with Part II(B)(2) of the MS4 permit. We will comply with this list.	Review and update this list annually to ensure it reflects current operations and permit allowances.	Assessing these discharges ensures that only those flows that do not pose a substantial risk to water quality are allowed, while unauthorized or pollutant-contributing discharges are identified and addressed.

MCM 4 BMPs Construction Site Stormwater Runoff Control	Responsibility	Target Audienc	Frequency	Activity Description	Measurable Goal	Rationale
Construction Site Tracking	Community Development Staff	Developers/ Builders	Annually	Check number of active OKR10 sites in Bethany	Verify that 100% of known active construction sites operating within city limits have valid OKR10 coverage.	Regular review helps identify unpermitted sites, reduce potential pollutant discharges, and support consistent enforcement of construction stormwater regulations within Bethany's MS4 area
Utilization of SWPP	Community Development Staff	OKR10 Permit Holders	Ensure all new construction projects requiring an OKR10 permit within the City sumbit a SWPPP	Building permits will not be issued without verified OKR10 documentation and an approved SWPPP, and the City reserves the right to issue stop-work orders or fines for violations.	Verify that all new OKR10-permitted projects have an approved SWPPP on file before construction begins.	The goal of this measure is to provide education and regulatory practices that would ensure construction activities meet & implement the required BMPs to reduce the number of pollutants in stormwater runoff from construction sites.
Active Site Inspections	Stormwater Manager/Buil ding Inspector	Construction Sites	Inspected quarterly	These inspections will be performed after quarterly. Bethany complies with the frequencies outlined in Table V-5 of the OKR04 Permit.	Perform construction site inspections on a quarterly basis as scheduling and weather permit. Maintain records of inspection frequency and follow-up actions.	Performing quarterly of construction sites ensures early detection of erosion, sediment, or other stormwater issues.
Site Plan Reviews	Engineering/ Community Development Staff	Required for all new commercial developments	As needed	Engineering and Community Development staff review all new commercial development site plans to ensure compliance with stormwater management requirements, including proper design and implementation of erosion control and post-construction BMPs.	Maintain a record of site plan reviews conducted each year.	Conducting site plan reviews new developments ensures stormwater management practices are properly integrated into project design before construction begins.
Construction Site training	Community Development Staff	Construction Sites	Once a year	Conduct staff training to address requirements for inspection and enforcement of erosion and sediment control measures once construction begins.	Conduct one annual training session for all Community Development staff involved in construction site plan review, inspection, or enforcement. Attendance will be documented. The goal is to achieve 100% participation of relevant staff each year.	Annual training helps Community Development staff stay informed about permit requirements, inspection procedures, enforcement actions, and best management practices (BMPs).
Education Program for Developers	Community Development Department	Developers	As needed	The City will require developers pulling permits to review stormwater ordinances and complete a stormwater quiz. This will fullfill educating developers about Bethanys Stormwater ordinances. This is the same as BMP 7 from MCM 1.	The City will measure the number of stormwater quizzes completed by construction permit applicants against the number of construction site discharges to evaluate program effectiveness and compliance.	Tracking stormwater quiz completion relative to the number of construction site discharges helps the City evaluate the effectiveness of its education program. By comparing knowledge gained through the quiz with actual site compliance, the City can identify gaps in understanding, target additional training, and reduce the risk of unauthorized discharges, supporting overall stormwater management objectives.

MCM 5 BMPs Post-Construction Site Management	Responsibility	Target Audience	Frequency	Activity Description	Measurable Goal	Rationale
Final Site Inspections	Community Development Staff	OKR10 Permit Holders	Once per project, prior to Certificate of Occupancy issuance	A final inspection of sites will be conducted to ensure that final stabalization is met and standards have been met for the building and the site. Should the site not meet these standards, then the city will not issue a certificate of occupancy until they have been corrected.	Ensure over half of construction sites receive a final inspection verifying compliance with stormwater and site stabilization standards before a certificate of occupancy is issued.	Conducting final site inspections ensures that construction sites are properly stabilized and all stormwater BMPs are in place before occupancy. This helps prevent erosion, sedimentation, and pollutant discharge into the stormwater system, maintaining compliance with OKR10 requirements and protecting local water quality
Landscaping Ordinance § 155.10 Landscaping Requirements	Community Development Staff	Developers, engineers, and design professionals submitting site plans.	Ongoing during each new development and redevelopment site plan review.	The City enforces landscaping requirements. Per § 155.10. All new non-residential development and redevelopment areas and all new residential development/ redevelopment of six or more dwelling units and/or three or more acres shall comply with the provisions of this section for landscaping requirements.	Ensure qualifying projects comply and understand landscaping requirements.	Landscaping requirements help reduce soil erosion, improve infiltration, and decrease the volume and velocity of stormwater runoff. Enforcing these standards ensures new developments contribute to water quality protection and enhance the overall appearance and environmental health of the community.
Assess current engineering requirements for impervious cover	City Staff	Developers, engineers, and design professionals submitting site plans for new construction or redevelopment projects.	Once per year	The City will review existing street design and off-street parking standards that affect impervious cover as well as (LID) techniques. Based on this review, the City will either maintain the current requirements where they are found to adequately address impervious surface impacts through landscaping, site design, and stormwater management, or update the requirements where improvements are needed.	Progress toward this goal will be measured through compliance with existing ordinance. Ordinance §158.035 regulates off-street parking to ensure adequate parking while minimizing environmental and urban design impacts.	Removing barriers reduces uncertainty and helps projects materialize and move forward.
Review Construction Site Runoff Ordinances	Community Development Staff	Developers, engineers, and design professionals	Once per year	The City will review existing low-impact development (LID) techniques by examining local ordinances, regulations, and engineering plans or specifications to identify legal or regulatory barriers, as well as opportunities to promote LID.	The city will keep record of updates and changes to Ordinances that occur to stormwater related issue.	Removing barriers reduces uncertainty and helps projects materialize and move forward.
Develop a Development Agreement	Community Development Staff	Developers	As needed	The City will create and require development agreements for large-scale developments to ensure the long-term operation and maintenance of their developments. By the end of 2026, development agreements will be standard practice for all large-scale developments in Bethany.	A development agreement will be prepared within one year. The end of 2026.	Assigning long-term responsibility to developers or property owners ensures that systems continue to reduce runoff, prevent flooding, and protect water quality.
Land Disturbing Informati	Community Development Staff	Developers	As needed	The City will attach information on erosion and sediment controls, stabilization and final inspection information in a letter to approved permits for land disturbing.	By the end of 2026 this will be a common practice in the permit process.	Providing this information at permit approval ensures permittees understand requirements upfront, promoting compliance and reducing sediment runoff and violations.

MCM 6 BMPs Municipal Good Housekeeping	Responsibility	Target Audi	Frequency	Activity Description	Measurable Goal	Rationale
Debris Control at MS4 Facilities and Management	City Facilities	City Facilities	Once a year	Once a year the Stormwater Manager will go out to city owned facilities and inspect the grounds. In addition, the City will maintain and annually update an inventory of all MS4 operations impacted by this program.As well keep a list of all industrial facilities owned or operated by the City that are subject to OKR05, or individual OPDES or NPDES permits	Complete one documented inspection per year for each City-owned facility, including maintenance areas and chemical storage locations. As well maintain and annually update an inventory of all MS4 operations impacted by this program, including facility location, activity type, and potential stormwater pollution sources.	Municipalities can contribute significant pollution to the MS4.The intent of these BMPs is to hold the City to a high operational standard.
Stormwater Training for City Staff	Stormwater Manager	City Staff	Once a year	The Stormwater Manager annually will provide municipal training for City staff. Training enhances staff awareness and reinforces the City's commitment to maintaining a strong, compliant, and effective stormwater management program.	Attendance will be documented to track participation.	Training enhances staff awareness and reinforces the City's commitment to maintaining a strong, compliant, and effective stormwater management program.
Municipal facilities BMP list and spill response plan	Stormwater Manager	Public works and Water Treatment Plant	Once a year	The Stormwater Manager will annually review the BMP list and spill response plan for the City's Public Works and Water Treatment Plant facilities. This review ensures that pollution prevention practices, material handling procedures, and emergency response protocols remain effective and current.	Review and update the BMP list and spill response plan once per year. If no updates or changes are needed, document that existing BMPs and procedures remain effective and in place.	Municipalities can contribute significant pollution to the MS4.The intent of these BMPs is to hold the City to a high operational standard that actively works to prevent and eliminate pollution.This will help with infrastructure maintenance and spill response preparedness.
City Vehicle Wash Practices	City Staff	City Facilities/ City Vehicles	Once a year	The Stormwater Manager will annually review vehicle washing practices at City facilities to ensure wash water is properly managed and does not enter the storm drain system. This includes confirming that designated wash areas are used, wash water is directed to the sanitary sewer or contained, and biodegradable, non-phosphate detergents are utilized when possible.	Review vehicle washing BMPs once per year. Document any updates, corrective actions, or confirmation that existing procedures remain effective.	Proper vehicle washing practices help prevent soap, oil, grease, and other pollutants from entering the stormwater system.
Stabilization & Erosion Control	Public Works	Public Works staff and or contractors performing maintenance or emergency repair activities.	Ongoing, during maintenance and repair activities.	Public Works staff will implement and maintain appropriate BMPs during all routine maintenance and emergency repairs of water and sewer lines. These practices include soil stabilization, erosion and sediment control, and proper material containment to prevent pollutants from entering the stormwater system or nearby waterways.For minor repairs or emergency contracts, typically the contractor will be disturbing an area that could be as small as 20'x20' (.0004 acres) so no OKR-10 is required, but if it involves erosion control then BMP's should be installed to the best of their ability. The City of Bethany adheres to Oklahoma City's stormwater measures	For all routine maintenance and emergency repairs performed by Public Works or under the direction of the City Engineer, BMPs will be encouraged on sites where erosion or sediment exists. Compliance will be documented and reviewed by Public Works and the City Engineer.	Routine Maintenance and Emergency Repairs on water and sewer lines require BMPs for proper stabilization, control of sediment and erosion to protect the integrity of the city's stormwater system and water ways of the state of Oklahoma. Such protective measures prevent water pollution and restore the site to a stable, safe condition.
Stormwater maintenance activities	Public Works	General Public	When needed	Public Works crews conduct ongoing stormwater maintenance activities, including cleaning catch basins, removing debris from concrete channels, and sweeping streets and gutters to help prevent pollutants from entering the stormwater system.	Perform stormwater maintenance activities as needed, including cleaning inlets, removing debris, and sweeping streets. Debris removal will be documented with photos and location information.	Although maintenance is performed as needed rather than on a fixed schedule, these ongoing activities are an essential best management practice that helps reduce pollutant buildup, maintain proper stormwater flow, and minimize flooding and system blockages.
Bulk Waste Pick-Up	Public Works	General Public	Bi annual	The Sanitation Department provides biannual bulk waste pickup for residents.	Measure tonnage and hauls	Providing bulk waste pick-up services helps prevent illegal dumping and reduces the amount of debris that could enter the stormwater system
Contractor Compliance with Stormwater Requirements	City Engineers/City Staff	Contractors	When needed	The City of Bethany provides a Stormwater Pollution Prevention sheet that is inserted into construction drawings. Any disturbance over 1 acre requires an OKR-10 permit from the ODEQ for any type of public or private development. For projects less than 1 acre best management practices should be implemented. For minor repairs or emergency contracts, typically the contractor will be disturbing an area that could be as small as 20'x20' (.0004 acres) so no OKR-10 is required, but if it involves erosion control then BMP's should be installed to the best of their ability. The City of Bethany adheres to Oklahoma City's stormwater measures	For all City projects, the City Engineer will supply a SWP3 sheet into construction drawings. Projects disturbing one acre or more will have a verified OKR-10 permit, and projects under one acre will implement BMPs where erosion or sediment potential exists.	Requiring contractors to follow City stormwater control measures ensures consistency in protecting water quality during construction and maintenance activities.

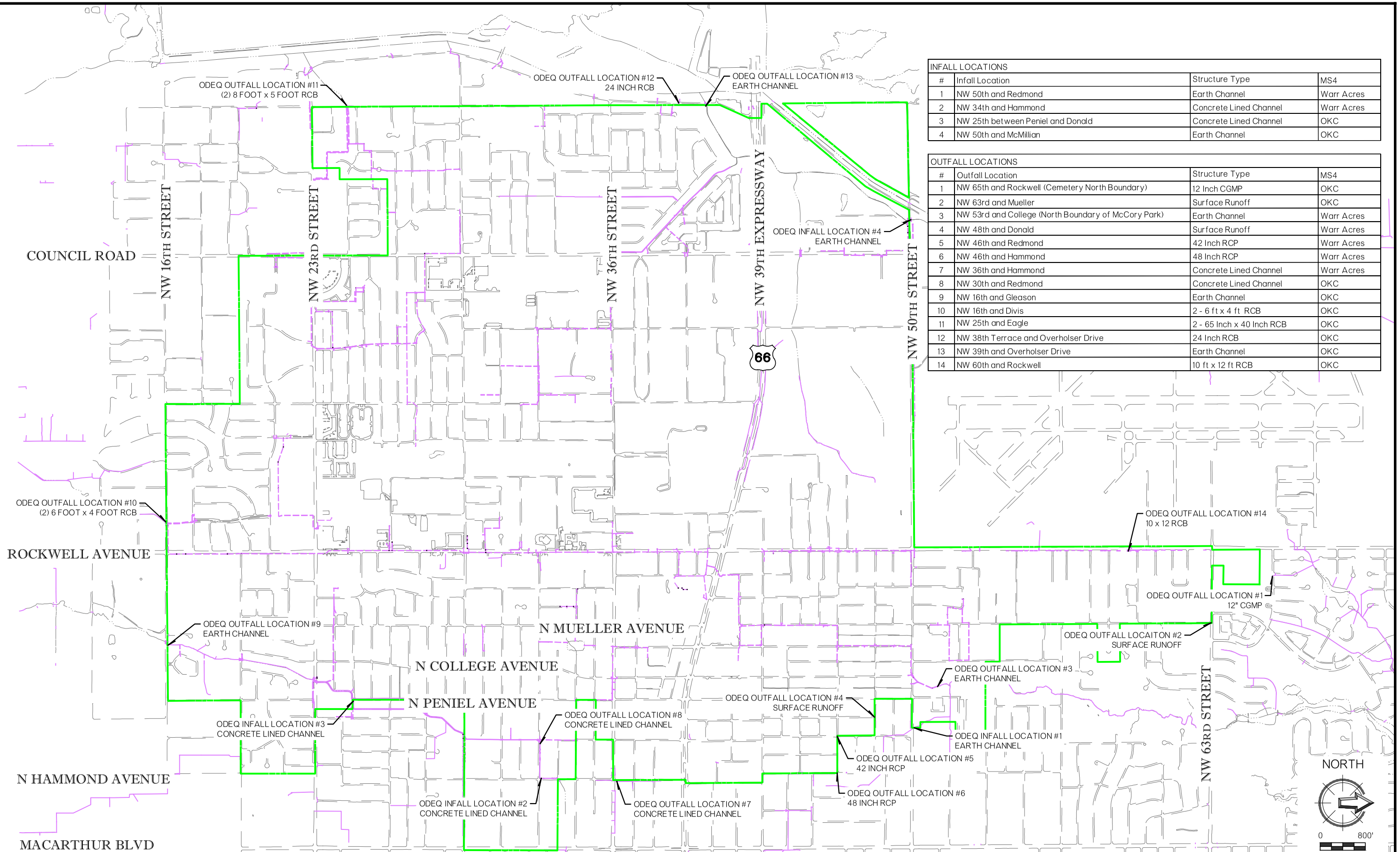
MS4 Boundary 1/30/2026



MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Bethany, Oklahoma makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.



INFALL LOCATIONS			
#	Infall Location	Structure Type	MS4
1	NW 50th and Redmond	Earth Channel	Warr Acres
2	NW 34th and Hammond	Concrete Lined Channel	Warr Acres
3	NW 25th between Peniel and Donald	Concrete Lined Channel	OKC
4	NW 50th and McMillian	Earth Channel	OKC

OUTFALL LOCATIONS			
#	Outfall Location	Structure Type	MS4
1	NW 65th and Rockwell (Cemetery North Boundary)	12 Inch CGMP	OKC
2	NW 63rd and Mueller	Surface Runoff	OKC
3	NW 53rd and College (North Boundary of McCory Park)	Earth Channel	Warr Acres
4	NW 48th and Donald	Surface Runoff	Warr Acres
5	NW 46th and Redmond	42 Inch RCP	Warr Acres
6	NW 46th and Hammond	48 Inch RCP	Warr Acres
7	NW 36th and Hammond	Concrete Lined Channel	Warr Acres
8	NW 30th and Redmond	Concrete Lined Channel	OKC
9	NW 16th and Gleason	Earth Channel	OKC
10	NW 16th and Divis	2 - 6 ft x 4 ft RCB	OKC
11	NW 25th and Eagle	2 - 65 Inch x 40 Inch RCB	OKC
12	NW 38th Terrace and Overholser Drive	24 Inch RCB	OKC
13	NW 39th and Overholser Drive	Earth Channel	OKC
14	NW 60th and Rockwell	10 ft x 12 ft RCB	OKC

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: JANUARY 21, 20226
DRAWN BY: GIBBS
CHECKED BY: R. WILLIAMS

TEIM DESIGN

THE CITY OF BETHANY

BETHANY STORMWATER DISCHARGE POINTS

CIVIL

LOCATION MAP
JANUARY 21, 2026

SHEET NO.
C001
SHEET 1 OF 1

STORM WATER MANAGEMENT
EROSION AND SEDIMENT CONTROL NOTES

GENERAL NOTES

The following are requirements to be followed by the Contractor during all phases of the project. Please note that this construction will be accomplished under the provisions of the National Pollutant Discharge Elimination System (NPDES) of the U.S. Environmental Protection Agency (EPA). A Storm Water Pollution Prevention Plan (SWP3) must be prepared for this project in conformance with EPA regulations (Code of Federal Regulations (CFR) 40, Part 122) and Oklahoma Department of Environmental Quality (ODEQ) General Permit (OKR-10). The Contractor will be responsible for compliance with the OPDES permit and the SWP3, as well as with all provisions of the plans and specifications. It will also be the Contractor's responsibility to prevent soil or sediment loss from the construction site. The Contractor shall not leave the site until all erosion control, sediment control, and storm water management practices are in place; have been inspected and found satisfactory; and all temporary practices have been properly removed.

STORM WATER MANAGEMENT

The project must be designed to provide positive post-construction control of storm water runoff from the site [using gutters, curbs, inlets, piping, and outlets to the receiving stream]. The erosion and sediment control measures discussed below will also provide some temporary storm water controls. During the course of construction, the contractor will install and maintain storm water controls in the sequence specified herein to provide comprehensive management of storm water for a project of this nature.

EROSION AND SEDIMENT CONTROL

The project must be designed to minimize adverse off-site effects of soil erosion and resulting sediment loss through the use of proper construction techniques; and by installing both temporary and permanent management practices. All soil-disturbing activities performed by the Contractor will be accomplished in such manner as to prevent loss of sediment from the construction site during rainfall events. To accomplish this, the following specific steps will be taken during construction:

1 Immediately after mobilization but prior to initiation any soil-disturbing activities, the Contractor will install all specified perimeter controls on the site. These practices have been designed to trap all sediment produced during soil-disturbing activities, and to prevent off-site damage. It is recognized that some site preparation may be required to properly install these practices.

2 The recommended sequence for the installation and removal of erosion and sediment control measures is as follows:
perimeter control measures (silt barriers and fencing) installed at designated areas; cleaning of street during construction; site grading (including temporary slope stabilization) as needed; installation of utilities; building construction; paving; final grading; installation of sod or vegetative materials; building construction; paving; final grading; installation of sod or vegetative materials; removal of temporary practices and perimeter controls; and site cleanup.

3 During all soil-disturbing activities, the Contractor will take appropriate steps using accepted construction methods to minimize exposure of unprotected soil and other construction materials to rainfall. Particular care must be exercised when dealing with topsoil stockpiles, fill material, or soil on slopes. The Contractor will maintain a date log of all soil disturbance activities or major grading operations, and of all management practice or control measure installations.

4 If, during the course of construction, any area of soil (including stockpiles) remains exposed for more than fourteen calendar days without suitable erosion control, then temporary stabilization measures should be installed unless soil-disturbing activities are planned on such areas within an additional seven calendar days. Suitable temporary stabilization measures are perimeter controls and silt barriers (such as rock bags, sand bags, and silt fencing) along all side-slope and down-slope borders of the disturbed area. Note that perimeter controls alone may not be successful; movement of large amounts of sediment produced by heavy rain on exposed soil could overwhelm such measures.

5 At the Contractor's discretion, additional temporary erosion control practices (such as rock bags, sand bag barriers, and silt fences) may be installed along any down-slope of side-slope perimeter of a soil-disturbed area to prevent sediment movement. Anchored erosion control matting, mulches, or other acceptable methods may also be installed to stabilize any unprotected slopes during construction, and hold them to the appropriate grade.

As site conditions warrant, the Contractor may also choose to modify the type or arrangement of specified practices to improve their effectiveness. As with any other project changes, the Contractor must present all proposed modifications to the Project Engineer for approval prior to installation.

6 The Contractor will inspect all specified practices at least once every fourteen calendar days, and after all rainfall events to insure that each specified practice remains intact. Any damage noted during such inspections shall be repaired promptly to restore the practice to original specifications. The Contractor will be responsible for maintenance of all erosion and sediment control practices as specified in the plans, i including periodic regrading, and final grading after removal of all such practices.

7 When water is used for dust control or to promote vegetation, the Contractor will prevent the escape of this water and any sediment it may carry from the construction site.

8 Care must be exercised to prevent excessive off-site tracking of mud or sediment by construction vehicles. In addition to the specified gravel entrance, properly graveled transition areas should be established at all temporary site exits to assist in mud removal from departing vehicles. The Contractor shall be responsible for cleaning the street daily, or as directed by the City, when mud is tracked onto the street from the construction site.

9 During the site cleanup prior to the possession date, each temporary practice will be completely removed and the area finished to the appropriate post-project condition. This involves final grading, and installation of sod or grass seed on all bare soil areas. A minimum vegetation density of seventy percent, or an equivalent sediment stabilization measure (geotextiles, mulches, or gabions), is required until vegetation is established.

The City of Oklahoma City
Public Works Department
Engineering Division

APPROVED BY: ERIC J. WENGER, P.E. CITY ENGINEER — DATE: 01-29-13
DRAWN: VSC
DATE: 01-29-13

STORM WATER EROSION AND SEDIMENT CONTROL PROCEDURES

Drawing Number
D-010

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City of Bethany

Illicit Discharge Incident Report

Location of Detection	
Date:Click or tap to enter a date.	Location:
Time:	
Name of observer and title:	

Communication	
Public Works Director ☐	Stormwater Manager/Community Development Associate ☐
Community Development Director ☐	Public Works Utility Crew ☐

Investigation	
Name of investigator and title:	
Investigation initiated within 72 hours of detection: Yes☐ No☐	
Date and time of testing:	
Walked 100 yards upstream from the point of detection: Yes☐ N/A☐ No☐	Observations:
PH result:	Chlorine result:
Follow-up actions taken:	

Reporting	
Documented findings: Yes☐	No☐
Photos Taken: Yes☐	No☐
Uploaded findings to the proper location: Yes☐ No☐	Notified the correct people if discharge is concerning: N/A ☐ DEQ ☐ DEQ Stormwater Engineer ☐ Public Works Director ☐ Community Development Director ☐ Stormwater Manager/Community Development Associate ☐
Signature of inspector:	Date:Click or tap to enter a date.
Signature of Stormwater Manager:	Date:Click or tap to enter a date.

BETHANY
Oklahoma

City of Bethany Stormwater Construction Review

Project Information	
Project Name:	Developer Name:
OKR10 Permit Number:	
Inspection Qtr.: Spring Summer Fall Winter	Inspection Date:
Time of Inspection:	
Rainfall in Past 72 Hours:	

Stormwater Inspection	
Is a copy of the OKR10 & SWPPP available on sight?	Yes / No Only OKR10 Only SWPPP
Are portable restrooms anchored in place?	Yes / No
What erosion controls will are being used? (Please circle BMPs)	Berms Silt Fences Compost Blankets Channel(s) Other:
Condition of erosion controls:	Poor Moderate Excellent Notes:
What construction exits are being utilized?	Wheel Wash Gravel Drive Other:
Have concrete washouts been maintained?	Yes / No
Is a silt basin being used? Yes / No	**If yes, how is its condition?** Poor Moderate Excellent
Has soil been stabilized? ***Soil must be stabilized if not disturbed for 2 weeks.***	Yes / No
Is there a covered dumpster for trash?	Yes / No
Are there any illicit discharges present? ***If yes, please explain***	Yes / No
Have loose materials been secured through a tarp or additional erosion controls?	Yes / No

Acknowledgement	
Does this project meet OKR10 & Municipal Guidelines? Yes / No	
Inspector Title:	
Printed Name of Inspector:	
Signature of Inspector:	Date:

City of Bethany
Stormwater Incident Report

Location Data		
Address/Reported Area:		
Date:	Time:	Estimated Rainfall:
Land Use:	Surrounding Land Use:	
Investigator Name & Title:		

Incident Information					
Issue		**Severity**			**Notes**
Trash & Debris	Yes / No	Slight	Moderate	Severe	
Soil (Erosion)	Yes / No	Slight	Moderate	Severe	
Oil/Grease/Fuel	Yes / No	Slight	Moderate	Severe	
Grass/Vegetation	Yes / No	Slight	Moderate	Severe	

Clean-Up				
Who is the responsible party for the clean-up?	The City of Bethany	Property Owner		
Who will be performing the clean-up?	The City of Bethany	Property Owner	Third Party Owner	
Clean-Up Manager Name:				
Clean-Up Organization:				
Contact Phone Number:		**Contact Email:**		
Estimated Costs:	**Start Date:**		**Completion Date:**	

Documentation	
Which of the following has been issued? **Notice of Violation** **Ticket** **Stop-Work Order** *If yes, please attach a copy to this form*	
Signature of Inspector:	Date:
Signature of Stormwater Manager:	Date:

City of Bethany
Dry Weather Field Screening

Location Data		
☐ **Outfall**	☐ **Infall**	
Location:		
Inspection Date:	Inspection Time:	Inspection Temperature:
Surrounding Land Use:		
Investigator Name:		

Physical Indicators of Present Flow

Indicator	Present	Descriptor	Severity
Odor	Yes / No	Sewage Hydrocarbons Other Rancid/Sour Sulfurous	Slight Moderate Severe
Color	Yes / No	Brown Orange Green Other	Slight Moderate Severe
Turbidity	Yes / No		Slight Moderate Severe
Floatables	Yes / No	Sewage Sheen Suds Litter	Slight Moderate Severe
Vegetation	Yes / No		Slight Moderate Severe
Erosion	Yes / No		Slight Moderate Severe

Notes:

Documentation

Reporting Cycle:	
Supplemental Documents:	
Signature of Inspector:	Date:

BETHANY STORMWATER QUIZ – MULTIPLE CHOICE

Name: City of Bethany Permit #:

Date: OKR10 Permit #:

---

1) When is a land disturbing permit, a SW3P,and a OKR10 Permit required?

A. For any construction activity within city limits
B. For construction activities disturbing over one acre of land
C. Only for commercial construction projects
D. Only when grading exceeds six inches

2. Who is responsible for compliance with stormwater requirements on a construction site?

A. Only the property owner
B. Only the city inspector
C. The general contractor and the person directing the work
D. The engineer who prepared the plans

3) How often must sediment and erosion control measures be inspected during active construction?

A. Once per month
B. Once per year
C. At least every 14 days and after qualifying storm events
D. Only when requested by the city

4.Where must state and federal stormwater discharge permits be kept for a construction site?

A. At the contractor's main office
B. With the project engineer only
C. Posted on-site with the building permit
D. Filed only with the city clerk

5) What is the contractor's responsibility regarding public streets and sidewalks?

A. No responsibility once materials leave the site
B. Report debris only if requested
C. Promptly remove soil, debris, or materials tracked onto public ways
D. Only clean public streets at project completion

6) What is a SWP3?

A) Stormwater Management Plan
B) Stormwater Pollution Prevention Plan
C) Stormwater Prevention Plan
D) Sediment Water Pollution Plan

7) After a storm event of one-half inch or greater, what is the permittee required to do?

A. Nothing, inspections only occur every 14 days
B. Inspect all sediment and erosion control measures within 24 hours and perform any needed maintenance
C. Wait for the city inspector to conduct an inspection
D. Only document the storm event without taking action

8. Under § 54.07, when may the city conduct construction site inspections?

A. Only at the completion of construction
B. Only if the contractor requests an inspection
C. Upon receiving a complaint or as needed to evaluate compliance
D. Only during the permitting process

9. What is the primary purpose of the land disturbing permit under § 54.07?

A. To approve building design and architecture
B. To protect urban streams by reviewing erosion and sediment control plans and monitoring land-disturbing activities
C. To regulate contractor licensing
D. To collect additional city fees

10. When must erosion and sediment control BMPs be in place on a construction site?

A. After construction is complete
B. Before land-disturbing activities begin and maintained throughout construction
C. Only after a violation is issued
D. Only when runoff reaches public streets

Signature:

DEQ FORM 605-R04

April 30, 2021

Oklahoma Department of Environmental Quality
Notice of Intent (NOI)
for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) under the OPDES General Permit OKR04

Submission of this NOI constitutes notice that the parties identified in Sections I and II of this form intend to be authorized by DEQ for stormwater discharges associated with MS4s. Becoming a permittee obligates such dischargers to comply with the terms and conditions of the OKR04 permit. To obtain an authorization from DEQ, this form must be complete with all the pertinent information.

All necessary information must be provided on this form. See instructions for completing the NOI on page 3 of this form. All associated fees must be submitted with this NOI.

☐-NEW APPLICATION ☐-MODIFICATION or ☑-RENEWAL of current permit, authorization number: OKR04 _____

I. MS4 Information

Your MS4 jurisdiction shall cover the entire area within the corporate boundaries of the municipality if your city is not located entirely within an Urbanized Area.

Name of MS4: City of Bethany

Legal status of the operator of MS4:
☐-Federal ☐-State ☐-Private
☑-Municipal (public other than federal or state)

Address: 6700 NW 36th St.

City: Bethany State: OK Zip Code: 73008 County: Oklahoma

Latitude: 35.518669 Longitude: -97.632263 Approximate area (sq. miles) of MS4: 5.72

II. MS4 Contact Information

Responsible Party: Brendan Summerville Phone: 405.789.6005

Title: Community Development Associate Email: brendan.summerville@bethanyok.org

Address: 6700 NW 36th St. City: Bethany State: OK Zip Code: 73008

Stormwater Program Manager: Brendan Summerville Phone: 405.789.6005

Title: Community Development Associate Email: brendan.summerville@bethanyok.org

Address: 6700 NW 36th St. City: Bethany State: OK Zip Code: 73008

Permit Fee Billing Contact: Lesa LaMar Phone: 405.789.5004

Title: Deputy City Clerk Email: lesa.lamar@bethanyOK.org

Address: 6700 NW 36th St. City: Bethany State: OK Zip Code: 73008

III. Co-Permittee Information

Are you co-permitting with another entity? ☑-No ☐-Yes, complete the following:

Co-Permittee: _____

Legal status of the operator of co-permittee:
☐-Federal ☐-State ☐-Private
☐-Municipal (public other than federal or state)

Mailing Address: _____

City: _____ State: _____ Zip Code: _____ County: _____

Latitude: _____ Longitude: _____ **Certification by the co-permittee is required in Section IX.**

Stormwater Program Manager: _____ Phone: _____

Title: _____ Email: _____

IV. Receiving Water Information

Use additional sheets of paper as needed

Name of Receiving Waterbody	Is this waterbody impaired? If so, what are its impairments?	Is there a TMDL for that impairment?
North Canadian River	☑-Yes ☐-No Bacteria	☐-Yes ☐-No
Spring Creek	☐-Yes ☑-No	☐-Yes ☐-No
	☐-Yes ☐-No	☐-Yes ☐-No

Do you discharge into an Outstanding Resource Water? ☐-Yes ☐-No

V. Endangered Species Eligibility

a. ☑-My MS4 is not located within any of the corridors of federal- and state-identified Aquatic Resources of Concern (ARC).

b. ☐- Informal consultation with the USFWS, or a separate federal action, has addressed the effects of stormwater discharges from my MS4, or has resulted in a "no jeopardy" opinion or written concurrence that discharges are not likely to adversely affect any listed species or critical habitat.

c. ☐-My MS4 is authorized under section 10 of the Endangered Species Act (ESA) and a copy of the authorization is attached.

d. ☐-The discharges from my MS4 are not likely to adversely affect any listed species or critical habitat.

e. ☐-My MS4 is relying on another permittee's certification of eligibility and agrees to comply with the conditions of that certification.

VI. Optional Minimum Control Measure (MCM) 7

Will your MS4 utilize MCM 7 for municipal construction activities? ☑-No ☐-Yes

VII. Required Attachments

☑- An updated map showing your MS4 boundaries

☐-Authorization under section 10 of the ESA or ☑-NA

☐-Application and permit fee or ☑-Invoice is needed for application and permit fee

VIII. Reporting Period for Annual Report

Will your MS4 report based on: ☐-Calendar year (January-December) or ☑-Fiscal year (July-June)

IX. Certification

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

Print Name: Brendan Joseph Hoffman Summerville Date: August 11, 2021

Signature: _____ Title: Community Development Associate

Certification of Co-Permittee (if applicable)

Print Name: _____ Date: _____

Signature: _____ Title: _____

SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

KEVIN STITT
Governor

September 15, 2021

Brendan Summerville, Community Development Associate
City of Bethany MS4
6700 NW 36th Street
Bethany, OK 73008

Re: Authorization for Stormwater Discharge from Phase II Small Municipal Separate Storm Sewer System (MS4), DEQ Authorization Number: OKR040007, Oklahoma County, Oklahoma

Dear Mr. Summerville:

The Notice of Intent for the City of Bethany was received on August 11, 2021 and processed by the Oklahoma Department of Environmental Quality (DEQ). Enclosed is an authorization allowing you to discharge stormwater from your MS4 located in **Oklahoma County** under the terms and conditions of the OPDES General Permit OKR04 for Phase II Small MS4 Discharges Within the State of Oklahoma.

Your authorization to discharge stormwater shall become effective on September 15, 2021 and expire at midnight on May 31, 2026. The application fee associated with this authorization has been paid. DEQ will send you an invoice regarding the applicable annual fee associated with this authorization. Please conduct an annual review of your SWMP, update it for necessary changes, and submit your annual report by **October 31, 2021.**

If you have any question regarding this authorization or the Stormwater Program, please call me at **(405) 702 - 8148** or email me at Magen.Kegley@deq.ok.gov.

Sincerely,

Magen Kegley, Permit Writer
Municipal Discharge & Stormwater Permits Section
Water Quality Division

Enclosure

Oklahoma Department of Environmental Quality
Authorization to Discharge Stormwater under the OPDES General Permit OKR04 from Phase II Small Municipal Separate Storm Sewer System

Authorization No. OKR040007

In compliance with the Oklahoma Pollution Discharge Elimination System (OPDES) Act, 27A O.S. §2-6-201, the rules of the Department of Environmental Quality (DEQ), and in reliance on the certified statements and representations heretofore made in its application,

City of Bethany MS4
6700 NW 36th Street
Bethany, OK 73008

is authorized to discharge stormwater from a small municipal separate storm sewer system (MS4) located in Oklahoma County at the approximate geographical location: Latitude 35° 30′ 26.5″, Longitude -97° 37′ 47.5″.

The receiving bodies of water are the North Canadian River and Spring Creek. This facility discharges into a 303(d) listed stream.

The OPDES permit requires permittee to have a Stormwater Management Program (SWMP) which must include appropriate Best Management Practices (BMPs) addressing six minimum control measures to reduce discharge of pollutants in stormwater to the maximum extent practicable to protect water quality, with implementing BMPs, monitoring, and possible reporting requirements. All applicable requirements of the Permit are subjected to DEQ's inspections and audits. The SWMP must be available and implemented at your small MS4.

The authorization shall become effective September 15, 2021 and will expire at midnight May 31, 2026. All terms and conditions of the OPDES Stormwater General Permit OKR04, which become effective on June 1, 2021, shall apply to the recipient of this authorization.

Michael B Moe, P.E., Engineering Manager
Municipal Discharge and Stormwater Permits Section
Water Quality Division