Stormwater Management Plan

Bethany, Oklahoma

Permit Number OKR040007

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 adopted and implemented by the City of Bethany, effective July 31, 2023; signed on July 11, 2024. 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 VII(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 qriting by a person described in Part VII(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. Base 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
City Manager
City of Bethany, Oklahoma

Brendan J. H. Summerville
City Planner & Stormwater Program Manager

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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 System 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. Five of the six Minimum Control Measures (MCMs) have been addressed in this SWMP, with MCM II (Industrial Stormwater Runoff Control) applying to category 3 MS4s. Industrial sites wand their respective inspections will be performed within the illicit discharge inspections.

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. In addition, the SWMP test includes a BMP summary table for each MCM.

The ODEQ has an established Oklahoma Pollutant Discharge Elimination System (OPDES) permit program under the OKR10 General Permit for Construction Activities. All construction projects that require an OKR10 construction permit are reviewed by Robbie Williams and Steve Manek of TEIM Design, the City of Bethany's contracted engineering firm; both engineers are trained in site plan reviews and construction runoff. The City Engineers are responsible for reviewing all submitted plans for compliance with city, fire, and ODEQ standards. No site plan is approved without the written approval of city engineers, and all construction over one (1) acre of land must have an approved OKR10 permit in order to proceed with construction.

The City of Bethany covers an area of 5.23 square miles, and discharges stormwater into two bodies of water: The North Canadian River (OK520520000250_00), and Spring Creek (OK620910040170_00). The North Canadian River is a Category 5 water body on the 2022 303d list and is currently impaired for sulfate (5b). Spring Creek is a Category 3 water body on the 303d list. The efforts of the Bethany Stormwater Management Program have aided in the reduction of pollutants to these water bodies and maintains the city's compliance within its OKR04 Permit (OKR040007).

While all BMPs listed within this document will contribute to maintaining and improving water runoff in Bethany, there are BMPs with the greatest likelihood of reducing pollutants and improving water quality. These include the dry weather field screening, monthly OKR10 construction inspections, annual MS4 facility inspections, quarterly water inspections, bulk & hazardous waste pick-up days, and illicit discharge reporting & abatement. In practice, each of these BMPs are intended to locate, identify, and eliminate contaminants either before contamination or when an issue has been found. These routine procedures are easily quantifiable and recorded, which in turn forms a dataset that allows the city to more precisely reduce contaminants.

The City of Bethany retains the right and authority to enforce its stormwater ordinances (Chapter 54, Stormwater Utilities). This chapter specifies the scope of the stormwater management program, and the illicit discharges it is empowered to detect, monitor, enforce, and eliminate. The stormwater management program performs these duties through routine inspections of all OKR10 sites, the management of municipal facilities, citizen reporting, and code enforcement officers monitoring for illicit discharges. In the event of an illicit discharge being detected, the stormwater program manager will investigate and file a report of the incident in order to analyze the discharge. Should a discharge prove to be illicit, the City of Bethany may issue written warnings (Notice of Violation), tickets & fines, and/or stop-work orders.

The aforementioned procedures are also applicable for city-owned utility line breaks, OKR10 site inspections, emergency repairs, etc. as it allows the stormwater management program to act on as wide an array as possible of illicit discharges that may further impair their water bodies.

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 runoff 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 loadings 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 eighty acres and has since grown to 5.2 square miles with a predominantly residential land use make-up. With the construction of the Overholser Dam in 1919, the creation of the 1,500-acre Lake Overholser led to the subsequent creation of the 1,000-acre wetland (Stinchcomb Wildlife Refuge) formed what is seen today as the Western border of Bethany.

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 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 2023, 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 a guideline 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

The following facilities are owned by the City of Bethany and are subject to routine inspections:

	Facility	Address	Potential Pollutants & Chemicals Stored
1	City Hall	6700 NW 36th	N/A
2	Police Station	6714 NW 36th	N/A
3	Fire Station	3919 N Central	Misc. Chemicals
4	Public works	5200 N Central	Salt, Sand, misc. chemicals

5	Sanitation	5300 N Central	General Waste and Floatable Materials
6	Maintenance Garage	5200 N Central	Oils, Coolant, misc. chemicals.
7	Vehicle Fueling	5200 N Central	Gasoline & Diesel
8	Animal Control	5100 N College	Animal waste
9*	Water Treatment Plant*	8300 NW 50th	Water Treatment Chemicals (Lime, Hydrochloric Acid, etc.)
10*	Wastewater Treatment Plant*	Not in city limits	Misc. Chemicals & Sewage
11	Ripper Park Swimming Pool	NW 30th & Thompkins	Pool Chemicals (Chlorine, et al.)
12	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 & McMillan	Surface Runoff	OKC

Ordinances

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

- Stormwater Fees
- Definitions
- Administrative Responsibilities
- Construction and Post-Construction Activities
- Illicit Discharges
- Penalties for Violations

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.

Defining Infalls and Outfalls

An infall is a place in which water enters city limits, whereas an outfall is a place where stormwater exits 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.

Allowable Discharges

Non-stormwater discharges to the MS4 shall be prohibited. For this permit, the following discharges need not be addressed as illicit discharges:

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 to make 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)
- An annual report

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
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 or BMPs, develop implementation schedules, and establish measurable goals for each practice.

1. Public Education & Involvement

Permit Requirements: Implement a program to distribute information and educational materials to the community and MS4 staff, or conduct equivalent outreach activities to promote behavior changes to reduce pollutants in stormwater runoff and eliminate illicit discharges. The activities shall be tailored using a mix of locally appropriate strategies to target specific audiences and communities.

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 of pollutants in stormwater discharges. The resulting goal is to encourage behaviors and practices which will result in environmental benefits for the community.

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.

2. Industrial Stormwater Runoff Control

Permit Requirements: Category 3 MS4s shall implement and enforce a program to prevent or reduce pollutants in any stormwater runoff to your MS4 from independently-owned industrial activities that discharge into your small MS4. At a minimum, the program requirements shall be consistent with the OKR05 General Permit for Stormwater Discharges from Industrial Activities (OKR05).

Rationale: Industrial activity is pivotal for a SWMP to monitor and control, as industrial discharges have an immense risk of causing harm to the built and natural environments. By monitoring these sites, MS4s aim to further protect these environs by performing routine inspections of these facilities.

Action: The City of Bethany is not a Category 3 MS4, and has no active OKR05 facilities on its premises. However, the City of Bethany will monitor any and all industrial activity within its boundaries, and retains the right to enforce penalties on potential industrial stormwater runoff issues by way of Chapter 54 of the Bethany Municipal Code.

3. Illicit Discharge Detection & Elimination

Permit Requirements: Implement and enforce a progfram to detect and eliminate illicit discharges, including illegal dumping, and on-site sewage disposal systems, into your small MS4. Your program must include dry weather field screenings (DWFS), identify non-stormwater flows, and new elements should be developed and implemented as necessary.

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: The City of Bethany will continue its use of a DWFS program, and in working with our engineering partners, continue to identify areas of concern and develop the program as necessity dictates; currently all infall & outfall locations are inspected on a semi-annual basis. All illicit discharges are listed within Chapter 54 of the Bethany Municipal Code of Ordinances, and are enforced through stop-work orders, warnings, fines, tickets, and abatements in the event of a clean-up. All reported stormwater or related spill incidents are investigated within 72 hours of the issue being made known, and recorded in a final report by the stormwater program manager. All investigations rely on visual evidence, however, the city may perform chlorine and pH testing should it be determined necessary.

4. Construction Site Stormwater Runoff Management

Permit Requirements: Implement and enforce a program to reduce pollutants in any stormwater runoff to your MS4 from construction activities. At a minimum, the program requirements shall be consistent with the OKR10 General Permit for Stormwater Discharges from Construction Activities

Rationale: The goal of this measure is to provide education, 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. The program must ensure that controls are in place that would prevent or minimize water quality impacts. Sections shall address erosion control, stormwater pollution, permit requirement, plan reviews, penalties, and a list of best management practices.

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. All construction sites which hold an OKR10 permit, discharge to an impaired water body, or otherwise shall be inspected at the frequency minimums of Table V-5 of the 2021 OKR04 Permit.

5. Post-Construction Management in New Development and Redevelopment

Permit Requirements: Implement and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one (1) acre, including projects less than one (1) acre that are part of a larger common plan of development or sale, that dishcarge into your small MS4. Your program must maintain pre-development runoff conditions and ensure that controls are in place that would prevent or minimize water quality impacts.

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

Action: §54.09 of the Bethany Municipal Code establishes performance standards that must be closely adhered to, in order to prevent the adverse impacts of polluted stormwater runoff. These include the soil stabilization, vegetative/landscaping maintenance, post-construction inspections, drainage control facilities, and waterway maintenance.

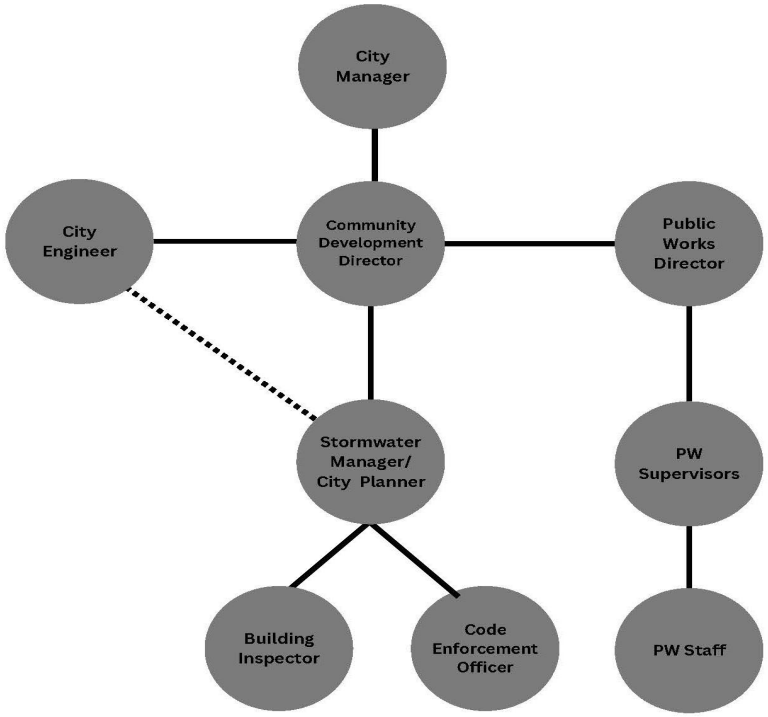
6. Municipal Good Housekeeping

Permit Requirements: Implement and enforce an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from MS4 operations such as streets, roads, highways, parking lots, maintenance and storage yards, fueling areas, waste transfer stations, fleet or maintenance shops, salt/sand storage locations, and snow disposal areas.

Rationale: The nature and scale of MS4 operations come with an elevated risk of stormwater pollution and illicit discharges. The performance of municipal good housekeeping allows the city to minimize these risks by having protections in place to prevent harmful discharges, while also inspecting them on an annual basis to ensure their succesful operation.

Action: All MS4 facilities are to be inspected by the stormwater program manager annually, as recommended in Table V-6 of the 2021 OKR04 Permit.

Program Management



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

- **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.
- **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.
- **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

Best Management Practices are activities that the city chooses to pursue to fulfill permit requirements. There is no set requirement of BMPs, however, it is expected that parameters of stormwater management are to be met with said BMPs. Within the six minimum control measure categories, there are BMPs that cover the scope of what is required. The tables below are utilized to monitor and report stormwater activities in line with the fiscal calendar.

MCM I - Public Education & Involvement

	BMP Activity	Target Audience/Responsible Party	Occurrence/Frequency	Metrics (Times Performed or Enforced, or the date on which it occurred)
1	**Brochures; 'After the Storm'**	General Public	Semi-Annual Restocking (Jul. & Jan.)	
2	**Water Quality Training & Regs**	City Staff	Public Works – Annual Training (January) City Staff – Certification as needed	
3	**Discuss Phase II Programs in Public Meetings**	General Public	SWMP/Stormwater Program to be discussed at least once during calendar year at council.	
4	**Event Sponsorship & Participation**	General Public	Annual Events (Rain Barrel Sale & Great American Clean-Up)	
5	**Construction Runoff Ed.**	General Public	Semi-Annual Restocking	
6	**Public Reporting**	General Public	Annual (Publishing of Annual Report & SWMP)	

MCM I - Public Education & Involvement

	BMP Activity	Target Audience	Occurrence/Frequency	Metrics (Times Performed or Enforced, or the date on which it occurred)
7	**Compliance with State & Local Public Notice Requirements**	General Public	Public notice delivered within 21 days of all SW related meeting items.	
8	**Support Regional Agency**	City Staff	Annual support due paid to COSWA	
9	**Bulk Waste Pick-Up**	General Public	Biannual Pick-Up, with 24/7 availability for citizens to drop-off	
10	**Household Hazardous Waste Collection**	General Public	Available 24/7 through partnership with OKC	
11	**Sponsor & Participation in Clean-Up Events**	General Public	Annual – Great American Clean-Up	

MCM III - Discharge Detection & Elimination

	BMP Activity	Target Audience	Occurrence/Frequency	Metrics
1	**Commercial Chemical Storage (Brochure)**	General Public	Restocked Biannually (January & July)	
2	**Internal Reporting**	City Staff	Monthly Reports from primary depts. Incident reports filed accordingly.	
3	**Inspection Training**	City Staff	Biannually	
4	**Regional Pollution Data Collection**	Stormwater Manager/COSWA	Quarterly	
5	**Source Inspection & Detection**	Stormwater Manager	Quarterly	
6	**Enforcement/Abatement of Pollution Sources**	Code Enforcement/SW	Within 24 hours of initial report	
7	**Dry Weather Field Screening**	Stormwater Manager	Semi-Annually	

MCM IV - Construction Site Management

	BMP Activity	Target Audience/Enforcing Body	Occurrence/Frequency	Metrics
1	**Construction Erosion/Waste Control**	Contractors & Developers	Required by OKR10 – Check number of active OKR10 sites in Bethany	
2	**Active Site Inspections**	Stormwater Manager/Building Inspector	Monthly	
3	**Site Plan Reviews**	Engineering/Planning Staff	Required for all new commercial developments.	

MCM V - Post Construction Site Management

	BMP Activity	Target Audience/Enforcing Body	Occurrence/Frequency	Metrics
1	**Final Site Inspections**	Building Inspector	Performed as needed by City Staff	
2	**Site Maintenance Review**	Planning Staff	As needed - 6 month re-inspection of site.	
3	**Landscaping Ordinance**	Planning Staff	Reviewed under site plan submittal and final inspections	

MCM VI - Municipal Good Housekeeping

	BMP Activity	Target Audience/Enforcing Body	Occurrence/Frequency	Metrics
1	**MS4 Facility**	Public Works	Annual	
2	**Bulk-Waste Drop Off**	Public Works Staff	Semi-Annual	
3	**Stormwater Training for Staff**	Public Works Staff	Annual	

Best Management Practices

Special programs are required under each MCM to achieve compliance under EPA guidelines. In each MCM below, these required programs are to be in **bold** while all other BMPs are to remain in regular text. 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.

1. **Public Education and Involvement**
    a. Brochures and Bookmarks – Utilize brochures and bookmarks created by the EPA “After the Storm” in both English & Spanish. Both items are available in City Hall and the Bethany Library.
    b. Radio Media (COSWA partnership)
    c. **Website & social media**; utilize the ability to provide near-instantaneous information to our citizens in a manner that keeps information up to date.
    d. Newsletters – Issued quarterly alongside water bills, the Bethany Bulletin has proven to be a reliable method of providing detailed information to our citizens. The bulletin is also available on the city website and social media platforms.
    e. **Public Discussions** – The stormwater management program will be discussed in at least one meeting per year, to educate citizens on the importance of stormwater quality, and the impact that everyday actions may have.
    f. **Public Reporting** – Citizens have 24/7 access to the City’s Report-A-Concern email, which contacts city directors regarding any number of major issues. Stormwater is among these valid concerns and allows for the city to have consistent and fair reporting on citizen concerns.
    g. **Annual Clean-Up Events** – The City of Bethany sponsors and hosts “Bethany Clean-Up Day,” on Earth Day in partnership with Keep Oklahoma Beautiful. This event encourages citizens to clean up debris and trash, with the city covering all material expenses and transportation of waste.
    h. **Bulk Waste Pick-Up** – Semi-annually, the City of Bethany offers a free curbside service that collects large waste items. It is the intent of this BMP to allow for safe and proper disposal of this waste to prevent potential contamination of stormwater.

c. **Household Hazardous Materials** – The City of Bethany maintains a contract with the City of Oklahoma City to offer a free year-round service, which allows citizens to safely and cleanly dispose of hazardous household waste items.
d. **Support of Regional Agency** – The City of Bethany is a founding member and supporter of the Central Oklahoma Stormwater Association; an organization of central Oklahoma MS4s that combine resources to improve the stormwater quality and education within the region.
e. Compliance with State & Public Notice Requirements – In the event of a public meeting, it is the obligation of the city of Bethany to provide clear and reasonable public notice requirements to its citizens. This provides citizens with the opportunity to participate in public meetings.

3. Discharge Detection & Elimination

a. Commercial Chemical Storage – The city provides businesses with information (brochures from the EPA) regarding chemical storage and spill treatment. It is the intent of the city that this information will reduce the likelihood of poor chemical treatment, and subsequent spills & contamination.
b. Internal Reporting – In addition to inspections, all departments have access to spill incident forms. These will be completed upon any chemical or hazardous material spill that requires immediate remediation. By documenting each incident, it is the goal of the city to identify problem areas & practices, and then act accordingly to prevent similar incidents.
c. Inspection Training – Stormwater staff must always have at least one (1) stormwater qualified inspector. This ensures that a qualified individual is performing site inspections and is knowledgeable about safe stormwater practices.
d. Regional Pollution Data Collection – Data will be maintained by the City of Bethany of potential and active pollutants from other MS4s (Oklahoma
    i. Semi-annual 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.
    ii. These will be performed during the dry months of January and August.

City & Warr Acres). It is the intent of the city to have this as a precautionary measure in the event of a contaminating event.

e. **Source Inspection & Detection** - Quarterly inspections will be conducted by the Stormwater Manager at pre-determined locations in the city to monitor water quality and contaminants. pH, chloring, and dissolved oxygen tests will be performed to keep a constant record of water health, possible treated water leaks, and biological growth within the storm sewer system.

f. Enforcement/Abatement of Pollution Sources – 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.

4. **Construction Site Management**

a. **Construction/Erosion/Waste Control** – All construction sites over 1 Acre are required to adhere to their OKR10 standards. A building permit shall not be issued unless there is satisfactory OKR10 standards in place, and the city of Bethany retains the right to issue stop-work orders or fines should a violation take place. As these sites involve significant land disturbance and large crews, they are more likely to contribute to major pollution, so it is the intent of the city to greatly reduce or eliminate construction pollution through monitoring OKR10 standards.

b. **Inspection of Active Sites** – The Stormwater Manager or Building Inspector will conduct routine inspections of OKR10 grade sites to monitor their adherence to their standards. This includes erosion control, waste management, soil stabilization, concrete wash-out stations, temporary water detention, etc. These inspections will be performed after rain events,

so that any sustained damage or problems may be corrected before worsening and leading to significant damage.

c. **Site Plan Review** – Site plan reviews are conducted by the city engineering staff, who will make recommendations based on their review of the site plan. The city retains the right to not issue building permits unless these stormwater controls and an OKR10 permit are found to be satisfactory. This BMP is intended to act early on likely pollution sources, as well as supply the city with a list of sites and potential issues to monitor as construction progresses.

5. Post Construction Site Management

a. **Final Inspections of Sites** – A final inspection of sites will be conducted to ensure that the agreed upon 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. It is the intent of this BMP to ensure that upon completion, this site will not negatively contribute to the creation of runoff or the pollution of said runoff.

b. **Site Maintenance Review** - Staff will perform follow-up inspections of all OKR10 sites at 6 months to assess the effectiveness and operating condition of stormwater control measures, as well as the surrounding area, to observe and note whether the site is functioning as intended.

c. **Landscaping Ordinance/Review** – All new commercial construction is required to provide adequate landscaping across the site; that is landscaping other than turf grasses. It is the intent of this ordinance to not only beautify the built environment, but also to decrease the speed of runoff and the effects of commercial building sites. Should the landscaping requirements not be met, the city can withhold building permits and/or certificates of occupancy.

**Low Impact Developments (LIDs) are not incorporated into this MCM as it is not presently feasible for staff to do so. This is also largely true in the city's efforts to reduce the amount of impervious surface area, however, in these cases additional emphasis on the landscaping and site plan review.*

certificates of occupancy. It is the responsibility of the building occupants to maintain this landscaping.

6. Municipal Good Housekeeping

a. Staff Training - The Stormwater Management Program has purchased two videos for the annual training of Public Works staff. This will be shown annually to Public Works staff.
b. Bulk-Waste Drop-Off – The City of Bethany offers a year-round service that allows citizens to bring their bulk items to the Public Works facility, for a fee, during business hours at Public Works. Curbside services may also be provided for a larger fee; however, they allow for those under mobility or time constraints to safely dispose of large waste items.
c. Debris Control – The City of Bethany will be responsible for maintaining appropriate debris and loose material control within its own facilities. This includes proper chemical storage, the cleaning of catch basins, devices for capturing loose waste near roll-offs, and adequate maintenance of repair and wash facilities. It is the intent of this BMP to hold the city to a standard of operation that works to eliminate its pollution.
d. Staff within Public Works, Water Treatment, and Community Development will conduct monthly inspections of municipal facilities to maintain an active record of materials, incidents, and the conditions of these facilities as they relate to stormwater.

Activities Calendar

July	Begin permit cycle – Restock brochures, re-order testing supplies.
August	Dry Weather Field Screening
September	Quarterly Water Test
October	Annual Report Due
November	Bulk Waste Pick-Up
December	Quarterly Water Test
January	Restock Brochures, Training (Public Works)
February	Dry Weather Field Screening
March	Quarterly Water Test, Bulk-Waste Pick-Up
April	Rain Barrel Sale, Great American Clean-Up
May	Annual City Report
June	Quarterly Water Test, End Permit Cycle – Review Practices & Policies

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.

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 for 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 addressing 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 establish a database for staff to utilize in day-to-day operations.
- TMDL Pollutant Baseline Monitoring Program
- Review of SOPs and their effectiveness.

2026 – Betterment and Continuation

- 75% Completion of GIS database
- Second revamp of marketing materials and evaluation of effectiveness in 2028 SWMP.
- Review water quality testing measures.

2027 – DEQ Audit and Internal Evaluation

- DEQ Audit and Inspection
- Review Policies and Procedures ahead of next permit cycle
- Completion of GIS Database

2028 – End of Program Cycle, Beginning of New

- Finalize and submit SWMP for 2028-2032 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?

Contact Information

Mayor & City Council (July 2023) – 405.789.2146

Mayor – Nikki Lloyd

City Manager – Elizabeth Gray

Ward I – Peter Plank & Chris Powell

Ward II – Ken Smart & Steve Palmer

Ward III – Kathy Larsen & Marilyn McPhail

Ward IV – Jeff Knapp & Brian Magirowsky

Department of Community Development – 405.789.6005

Director of Planning & Community Development – Amanda McCellon

Stormwater Manager & City Planner – Brendan Summerville

Public Works – 405.789.6285

Director of Public Works – Phil Stowell

Water Treatment – Richard Gregory

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 Pollutant 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.

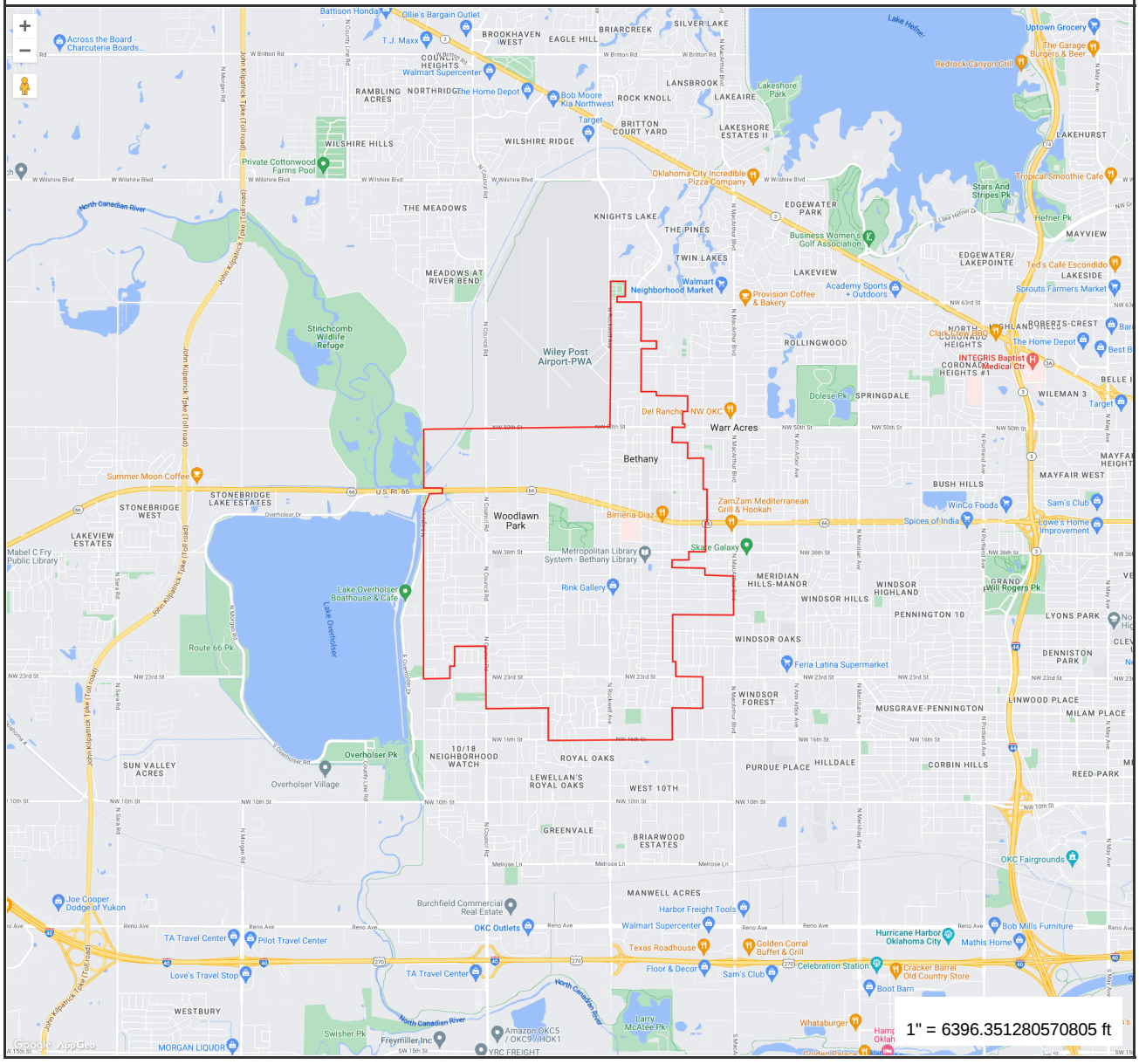
Stormwater – Defined at 40 CFR §122.26(b)(13) and means stormwater runoff, snow melt runoff, and surface runoff & drainage.

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.

3. MS4 Boundaries

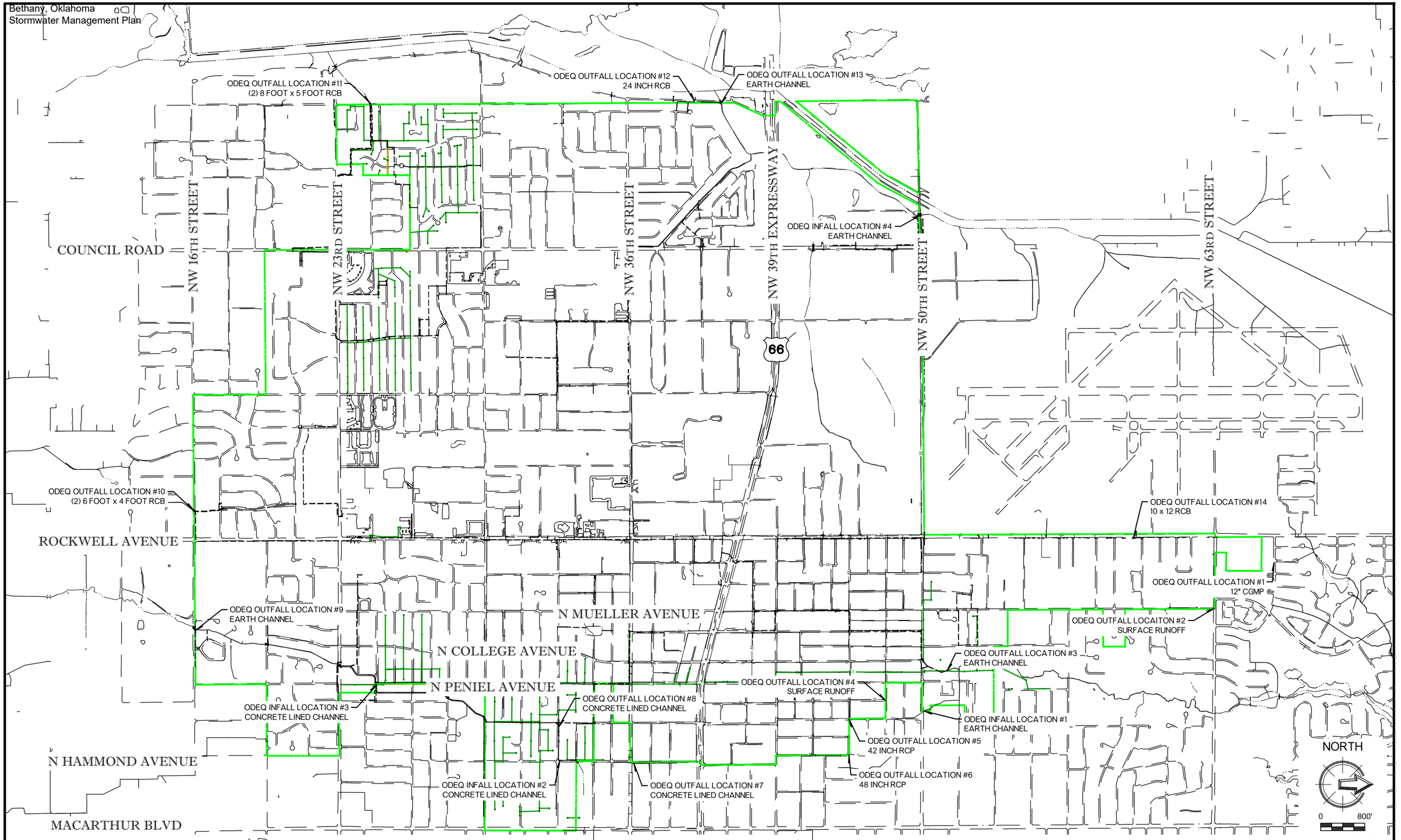
July 2023

Bethany MS4 Boundary Map



MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

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



REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: JUNE 23rd 2023
DRAWN BY: GIBBS
CHECKED BY: R. WILLIAMS

TEIM DESIGN

THE CITY OF BETHANY

BETHANY STORMWATER DISCHARGE POINTS

CIVIL

LOCATION MAP

SHEET NO.
C001
SHEET 1 OF 1

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
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:

City of Bethany
Stormwater Plan Review

Project Information	
Project Name:	Developer Name:
Project Description:	
Lot Size (Acres/Square Feet):	Zoning:
Project Manager Name:	
Contact Phone:	Contact Email:

Stormwater Control Information	
Will you be using a third party erosion control company?	Yes / No
If yes, please name the third party.	
What erosion controls will be used? (Please circle BMPs)	Berms Silt Fences Compost Blankets Channel Other:
Number of controlled construction exits: _____ (Please circle accompanying BMP)	Wheel Wash Gravel Drive Other:
Will a silt basin be used? Yes / No	**If yes, where will it be on the property? _____**
Are concrete washouts marked? Yes / No	**If yes, how many locations are there? _____**
Location of SWPPP & OKR10 on site:	
Location of portable toilets and how they will be secured: *Preferred site is away from storm drains, creeks, or drainage basins*	
Proposed method of soil stabilization:	
Is there a maintenance schedule for sediment basins, washouts, driveways, etc.? _____	

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

City of Bethany
Public Works Stormwater Checklist

Inspection	
Inspection Date:	Inspection Time:
Investigator Name:	

Physical Indicators of Present Flow	
Has all sand/gravel/dirt been kept under a covering or contained?	Yes / No
Has debris from dumpsters been collected and disposed of?	Yes / No
Have drip trays been cleaned?	Yes / No
Has the wash bay been cleaned and chemicals stored?	Yes / No
Are spill kits available and in ready for use?	Yes / No
If a rain event has occurred, have catch basins been cleaned?	Yes / No
If it has happened, how many leaks/spills have occurred and been cleaned?	

Notes:

Documentation	
Signature of Inspector:	Date:

Please scan and send a copy of the report to the Stormwater Manager, Brendan Summerville, at brendan.summerville@bethanyok.org

City of Bethany
Water Treatment Plant Stormwater Checklist

Inspection	
Inspection Date:	Inspection Time:
Investigator Name:	

Physical Indicators of Present Flow		
Have all chemicals and containers been placed/stored underneath a covering?	Yes / No	
Have any fuel/fluid leaks been isolated, cleaned, and corrected? If yes, how many?	Yes / No	
Have empty chemical barrels been appropriately disposed of? If yes, how many?	Yes / No	
Has lime been washed and cleared from drainage channels and pipes?	Yes / No	
Are spill kits available and in ready for use?	Yes / No	

Notes:

Documentation	
Signature of Inspector:	Date:

Please scan and send a copy of the report to the Stormwater Manager, Brendan Summerville, at brendan.summerville@bethanyok.org

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:

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

707 NORTH ROBINSON, P.O. BOX 1677, OKLAHOMA CITY, OKLAHOMA 73101-1677

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