MIDWEST CITY
Public Works

CITY OF MIDWEST CITY

PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STORMWATER MANAGEMENT PROGRAM

Prepared in Compliance with:

GENERAL PERMIT OKR04

Prepared by:

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SIGNATURE PAGE

Per OKR04 Part VII.H, the following certification is hereby made in order to comply with the signatory requirements of the State of Oklahoma's Phase II Small Municipal Separate Storm Sewer System (MS4) Discharges within the State of Oklahoma General Permit OKR04.

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.

T Lyon — 4.17.2024

Tim Lyon — Date
City Manager

R. Paul Streets — 4/18/2024

R. Paul Streets — Date
Public Works Director

Carrie Evenson — 4/16/2024

Carrie Evenson — Date
Assistant Public Works Director/Stormwater Manager

1.0 STORMWATER MANAGEMENT EXECUTIVE SUMMARY

The City of Midwest City (City) is subject to the requirements of the Oklahoma Department of Environmental Quality (ODEQ) Phase II Small Municipal Separate Storm Sewer System Discharges within the State of Oklahoma General Permit No. OKR04 (OKR04), issued June 1, 2021, which sets the requirements and conditions for stormwater discharges from a small municipal separate storm sewer system (MS4) to surface waters in the state.

The City previously developed and implemented a stormwater management program (SWMP) to comply with the original OKR04. On November 7, 2005, the City received authorization under the general permit through Authorization No. OKR040011. The City most recently adopted its updated SWMP on January 28, 2016. On September 17, 2021, the City received a renewed authorization for OKR040011. This SWMP will serve as an update to the existing 2016 SWMP as required by the 2021 OKR04 general permit.

This document describes the City's plan to protect water quality from stormwater runoff throughout the City and serves as the City's documentation of intended compliance with the current OKR04 permit. Three categories of MS4 entities are identified in the 2021 OKR04 general permit, with increasing minimum requirements specified for each category. The City is classified as a Category 3 MS4. All six required Minimum Control Measures (MCMs) have been addressed in this SWMP. The City has elected not to participate in the "Optional Permit Requirements for Municipal Construction Activities" (OKR04 Part VIII).

The SWMP documents best management practices (BMPs) that the City has implemented or plans to implement in order to meet the minimum requirements outlined in the OKR04 general permit. The City has identified these BMPs as being cost-effective approaches to protect water quality, recognizing the importance of protecting our natural and financial resources. A five-year implementation, maintenance, and documentation approach is contained within this SWMP.

Every reasonable effort has been made to comply with all requirements in the OKR04 general permit. This SWMP document will be reviewed annually as part of the annual reporting process and amended as needed to reflect program and implementation changes per requirements of ODEQ and the OKR04 general permit.

2.0 INTRODUCTION

Stormwater affects the quality of water in lakes, rivers, and neighborhood creeks and streams. Pollutants (e.g., pesticides, oil, detergents, and bacteria) deposited on the ground and impervious surfaces (e.g., streets and parking lots) can be transported by stormwater runoff into stormwater drainage systems. These drainage systems, both natural and man-made, convey stormwater runoff away from the land and into nearby waterbodies.

In order to protect water quality, it is necessary to identify the types and sources of pollution and implement plans to protect the City's water resources. Historically, waters have been protected through state and federal regulation of "point sources" or end-of-pipe sources of pollution. Over time, it has become more evident that overland runoff sources of pollution, such as urban stormwater runoff, can create serious problems in waterways and impact the community's quality of life.

2.1 Stormwater Regulations

Under the requirements of the Clean Water Act (CWA), the U.S. Environmental Protection Agency (EPA) is required to protect the water quality of natural waters throughout the country. The EPA established the National Pollutant Discharge Elimination System (NPDES) program to identify sources of water pollution and work to reduce or eliminate the pollutants from being discharged to waters of the U.S. The EPA has delegated responsibility for the NPDES program in Oklahoma to ODEQ, who administers the Oklahoma Pollutant Discharge Elimination System (OPDES). In addition to issuing discharge permits to traditional "point sources," such as municipal wastewater treatment plants and industrial wastewater discharges, ODEQ is also responsible for minimizing pollution from other sources, such as stormwater runoff from construction sites, industrial facilities, and some stormwater drainage systems. For construction sites, industrial facilities, and certain municipal separate storm sewer systems (MS4), ODEQ established requirements for minimizing stormwater pollution from these sites through general permits specific to those types of stormwater discharge. These general permits typically require development and implementation of stormwater pollution prevention or management plans, which detail the actions each permittee will take to comply with the general permit requirements.

2.1.1 Municipal Separate Storm Sewer System (MS4) General Permit

In most areas of the country, storm drainage systems are separate from sanitary sewer systems and are thereby classified as "separate storm sewer systems." Separate storm sewer systems include ditches, curb-lined streets, gutters, storm sewers, and similar means of collecting or conveying runoff that do not connect with a wastewater collection system or treatment facility before discharging into waterbodies. A municipal separate storm sewer system (MS4) is a system owned or operated by a public agency like a city, flood control district, county, or state agency.

In 1999, the EPA issued NPDES regulations to protect stormwater quality in smaller MS4s (known as Phase II MS4s) within US Census identified urban areas (UAs). The ODEQ, who was delegated the responsibility of implementing the stormwater quality regulations, finalized the initial OKR04 general permit on February 8, 2005. Like other OPDES permits, OKR04 typically has a five-year term but can and has been administratively continued for extended periods of time. This has occurred for each of the first two permit terms while ODEQ negotiated with EPA regarding permit conditions. The most recently issued OKR04 general permit became effective on June 1, 2021, and has a five-year permit term. The City is one of more than 50 cities, counties, and other public entities subject to the requirements of the OKR04 general permit.

2.1.2 Stormwater General Permit for Construction Activity

ODEQ regulates stormwater discharges from most construction activity through OPDES General Permit No. OKR10 (OKR10). Through OKR10, construction sites disturbing one acre or more as well as sites that are less than an acre but are part of a larger common plan of development that will disturb an acre or more are required to develop a stormwater pollution prevention plan (SWPPP) and install site controls, such as silt fence, inlet protection, and a stabilized construction site entrance, to minimize the discharge of sediment and other pollutants from the construction site. When construction is complete and the site is re-vegetated or otherwise stabilized, the control measures may be removed.

Phase II MS4s do not have direct responsibility to inspect and enforce construction sites for compliance with the requirements of the OKR10 permit, but requirements do exist for Phase II MS4s to require proper erosion control measures to be installed and maintained on construction sites, including the implementation of an ordinance. Many Phase II MS4s reference the OKR10 permit in a development ordinance for compliance consistency, and the 2021 OKR04 permit provides a specific allowance for regulated MS4s to reference the OKR10 permit to demonstrate their own compliance with construction site related oversight requirements.

Chapter 43, Section 43-437 of the City of Midwest City's Code of Ordinances regulates land disturbing activities and requires a permit for such activities as outlined below:

(a) It shall be unlawful for any person to conduct, or permit to be conducted, any land disturbing activity upon any land without a land disturbing permit issued under this article. Such permit shall be required in addition to any building permit or other permit required by this Code for the site and shall be available for inspection by the manager on the job site at all times during which land disturbing activities are in progress. The phrase "land disturbing activity" shall not include the following:

(1) Such minor land disturbing activities as home gardens and individual home landscaping, home repairs, home maintenance work and other related activities which result in minor soil erosion;

(2) The construction of single-family residences when built separately on lots less than one (1) acre not within a subdivision or which have been recorded in the office of stormwater quality management, and have been issued building permits; provided that excavation is limited to trenches for the foundation, basements, service and sanitary sewer connections, and minor grading for driveways, yard areas and sidewalks, with no off-site discharge of pollutants;

(3) Individual service and sanitary sewer connections for single-or two-family residences;

(4) Agricultural practices involving the establishment, cultivation or harvesting of products of the field or orchard, preparing and planting of pastureland, forestry land management practices including harvesting, farm ponds, dairy operations and livestock and poultry management practices, and the construction of farm buildings;

(5) Any project carried out under the technical supervision of the Soil Conservation Service of the United States Department of Agriculture;

(6) Installation, maintenance and repair of any underground public utility lines when such activity occurs on an existing hard-surface road, street or sidewalk, provided the activity maintains pollution control and is confined to the area of the road, street or sidewalk which is hard-surfaced and a street, curb, gutter or sidewalk permit has been obtained; and

(7) Construction, repair or rebuilding of tracks of a railroad company.

These activities may be undertaken without the required permits; however, the persons conducting these excluded activities shall remain responsible for conducting these activities in accordance with the provisions of this article and other applicable laws including responsibility for controlling sedimentation and runoff both during the land disturbing activity and after the land disturbing activity is complete.

2.1.3 Stormwater Multi-Sector General Permit for Industrial Activity

ODEQ regulates stormwater discharges from developed sites in certain industrial classifications through OPDES General Permit No. OKR05 (OKR05). Sites operating in certain identified industrial sectors are required to develop, implement, and maintain a SWPPP for operations at the facility. These industrial sectors have been identified by EPA and ODEQ as high potential sources of significant stormwater

pollutants, and as a result, the implementation of BMPs is required to protect water quality from stormwater runoff pollution. Types of BMPs for industrial facilities range from covered storage of materials to staff training. Ongoing stormwater monitoring of wet weather events is required to observe and test for stormwater pollution.

Certain municipal facilities are subject to the industrial stormwater general permit. These include municipal landfills, wastewater treatment plants, and municipal airports. Each of these facilities is required to be documented within the MS4's SWMP. Category 3 MS4s are also required to develop and implement a program to inspect and enforce stormwater quality runoff protection from industrial facilities that discharge to the MS4. This program must include facilities subject to the OKR05 permit but may also include additional facilities determined by the MS4 to have a significant potential to contribute pollutants to stormwater runoff.

Chapter 43, Section 43-421 of the City of Midwest City's Code of Ordinances regulates stormwater discharges from existing industrial, commercial, institutional or multifamily or group residential facilities and requires a permit for such activities as outlined below:

(a) Any existing industrial, commercial, institutional or multifamily or group residential facilities that discharge stormwater into the MS4 or community waters and have been issued any of the Standard Industrial Classification codes listed will be required to develop a pollution prevention plan and apply for an industrial stormwater discharge permit. The industrial stormwater discharge permit shall be required in addition to any permits required by EPA, state, or city.

SIC Code	Title
10	Metal Mining
12	Coal Mining
13	Oil & Gas Extraction
14	Nonmetallic Minerals, Except Fuels
20	Food and Kindred Products
21	Tobacco Products
22	Textile Mill Products
23	Apparel and Other Textile Products
24	Lumber and Wood Products
25	Furniture and Fixtures
26	Paper and Allied Products
27	Printing and Publishing
28	Chemicals and Allied Products

29	Petroleum and Coal Products
30	Rubber and Miscellaneous Plastic Products
31	Leather and Leather Products (except 311)
32	Stone, Clay, and Glass Products
33	Primary Metal Industries
34	Fabricated Metal Products
35	Industrial Machinery and Equipment
36	Electronic and Other Electric Equipment
37	Transportation Equipment
38	Instruments and Related Products
39	Miscellaneous Manufacturing Industries
40	Railroad Transportation
41	Local and Interurban Passenger Transit
42	Trucking and Warehousing
43	United States Postal Service
44	Water Transportation
45	Transportation by Air
5015	Motor Vehicle Parts, Used
5093	Scrap and Waste Materials
5171	Petroleum Bulk Stations and Terminals
55	Automotive Dealers and Gasoline Service Stations
58	Eating and Drinking Places
75	Automotive Repair, Services and Parking
82	Educational Services

A request for a no exposure certification (NEC) may be made in lieu of an industrial stormwater discharge permit. Upon request for a NEC, an inspection of the facility will be performed by the manager. If a NEC is issued, the facility will be exempt from requirements of the industrial stormwater discharge permit for a period of five (5) years from date of issue. All facilities that have been issued a NEC will be subject to an annual compliance inspection. If during the annual inspection it is determined, the facility no longer qualifies for a NEC, then an application for an industrial stormwater discharge permit must be submitted.

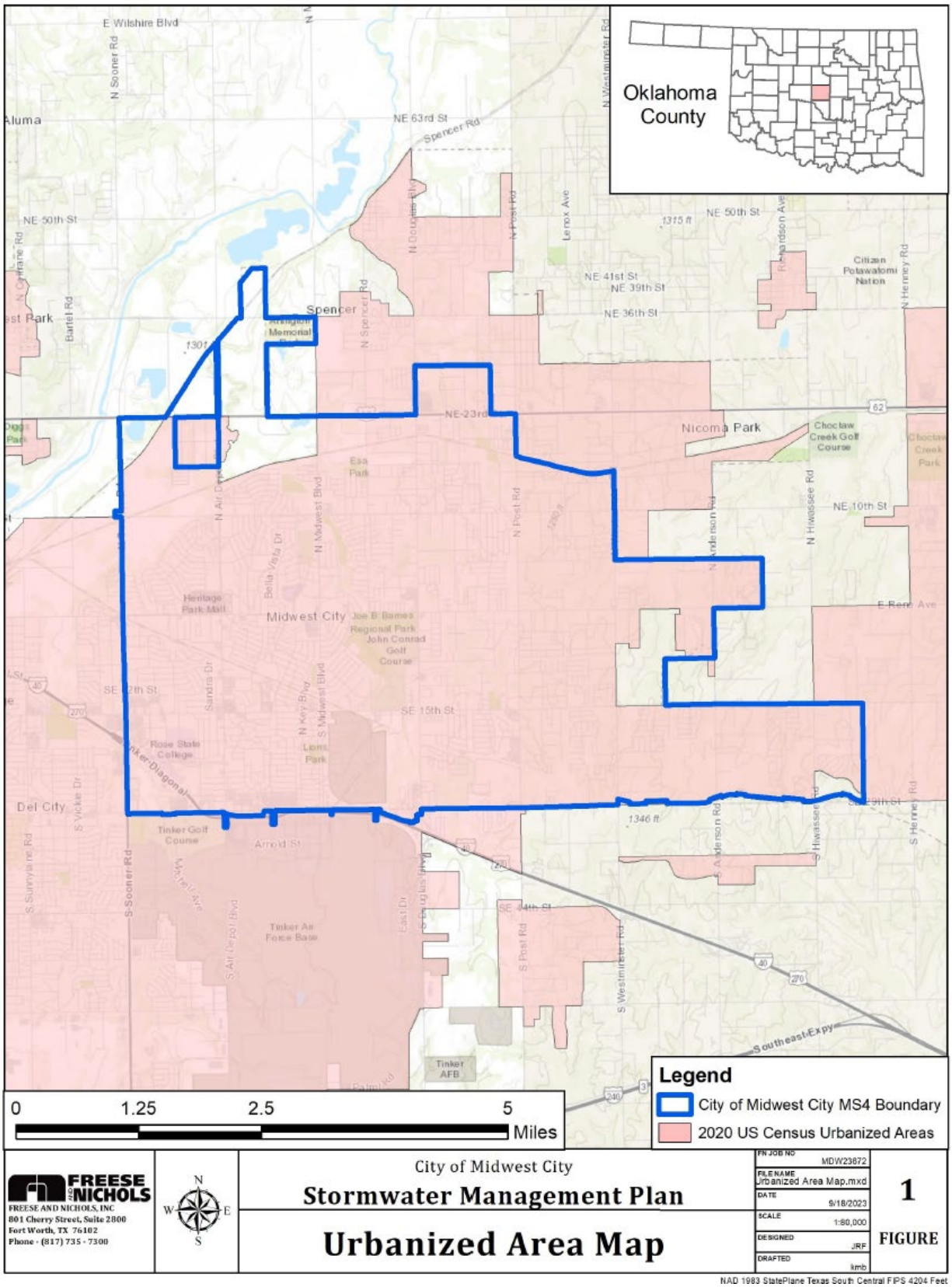
2.2 Permit Applicability and Coverage

The City has updated this SWMP to comply with the requirements of the 2021 OKR04 General Permit. This permit applies to operators of Phase II MS4s in Oklahoma and authorizes the City to discharge stormwater and certain other non-stormwater discharges from its storm sewer system to waters of the state. The City is located within the Oklahoma City U.S. Census urban area (UA) as shown in Figure 1.

The SWMP is applicable citywide and includes BMPs that will be implemented by the City to reduce stormwater pollution to the maximum extent practicable (MEP), as required by OKR04.

2.3 City of Midwest City

The City is located in Oklahoma County and a part of the Oklahoma City metropolitan area. The City's economic base is heavily dependent upon governmental agencies, including Tinker Air Force Base. Other large employers include the Midwest Regional Medical Center and aerospace industry businesses affiliated with the base. The City encompasses approximately 24.41 square miles.


Oklahoma County
E Wilshire Blvd
N Sooner Rd
Aluma
NE 63rd St
Spencer Rd
NE 50th St
N Douglas Blvd
N Post Rd
Lenox Ave
N Westminster Rd
1315 ft
Richardson Ave
Citizen Potawatomi Nation
N Henney Rd
NE 41st St
NE 39th St
NE 36th St
Spencer
Bartlett Rd
1301
N Spencer Rd
NE 23rd
Nicoma Park
Choctaw Creek Golf Course
Choctaw Creek Park
Esa Park
N Air Depot Blvd
N Midwest Blvd
Bella Vista Dr
N Anderson Rd
N Hiwassee Rd
NE 10th St
Heritage Park Mall
Midwest City
Joe B. Barnes Regional Park
John Conrad Golf Course
E Reno Ave
SE 12th St
Sandra Dr
N Key Blvd
S Midwest Blvd
SE 15th St
Rose State College
Lions Park
Del City
S Vickie Dr
Tinker Golf Course
Arnold St
1346 ft
S Anderson Rd
S Hiwassee Rd
S Henney Rd
S Sooner Rd
S Sunnylane Rd
S Air Depot Blvd
East Dr
Tinker Air Force Base
SE 44th St
S Post Rd
S Westminster Rd
Southeast Expy
Tinker AFB
Palmer Rd
0
1.25
2.5
5
Miles
Legend
City of Midwest City MS4 Boundary
2020 US Census Urbanized Areas
FREESE AND NICHOLS
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801 Cherry Street, Suite 2800
Fort Worth, TX 76102
Phone - (817) 735 - 7300
N
W
E
S
City of Midwest City
Stormwater Management Plan
Urbanized Area Map
FN JOB NO MDW23872
FILE NAME Urbanized Area Map.mxd
DATE 9/18/2023
SCALE 1:80,000
DESIGNED JRF
DRAFTED kmb
1
FIGURE
NAD 1983 StatePlane Texas South Central FIPS 4204 Feet

3.0 WATER QUALITY

3.1 Overview of Water Quality Assessments in Oklahoma

The primary function of the Water Quality Division of ODEQ is to maintain clean water for Oklahoma by regulating facilities that produce and distribute public drinking water and that treat, transport, store, and discharge wastewater. The Water Quality Division is also responsible — in cooperation with other state agencies — for maintaining water quality standards in Oklahoma's lakes, rivers, and streams. To do this, ODEQ monitors water quality at locations across the state, determines if the water quality of the State's waterbodies meets water quality standards and beneficial uses, and implements plans to reduce the amount of pollution being discharge to waterbodies that are impacted by these pollutants.

Oklahoma Water Quality Standards (WQS) are rules designed to maintain and protect the quality of the waters of the state and provide a basis for regulatory programs to attain those goals. When WQS are not met, the water quality of a lake, river, or stream may be inadequate to meet its beneficial use or uses. General categories for water use, also known as beneficial uses, in Oklahoma included the following:

- Public and Private Water Supplies
- Emergency Public and Private Water Supplies
- Fish and Wildlife Propagation
- Agriculture
- Primary Body Contact Recreation
- Secondary Body Contact Recreation
- Navigation
- Aesthetics
- Fish Consumption

OAC 252:730-5-2 states that "[b]eneficial uses are designated for all waters of the state. Such uses are protected through the restrictions imposed by the antidegradation policy statement, narrative criteria and numerical standards. Some uses require higher quality water than others. When multiple uses are assigned to the same waters, all such uses shall be protected. Beneficial uses are also protected by permits or other authorizations issued to meet these Standards for point sources and through practical management or regulatory programs for nonpoint sources. The criteria to protect the beneficial 11 uses designated in 252:730-5-3 or in Appendix A of this Chapter for certain surface waters of the state are described in sections 252:730-5-10 through 252:730-5-20 of this Chapter."

Because it would be impractical to test every waterbody for all possible pollutants, assessments of water quality in Oklahoma are performed by evaluating indicators of water quality. Indicators are an indirect

measure of the health or quality of a particular part of the aquatic system. Some indicators, such as the health of fish communities, are tied to specific beneficial uses, while others, such as nutrients, are not. Some of the most common indicators used by ODEQ to determine the quality of waterbodies include bacteria, dissolved oxygen, dissolved solids, metals, and organic substances.

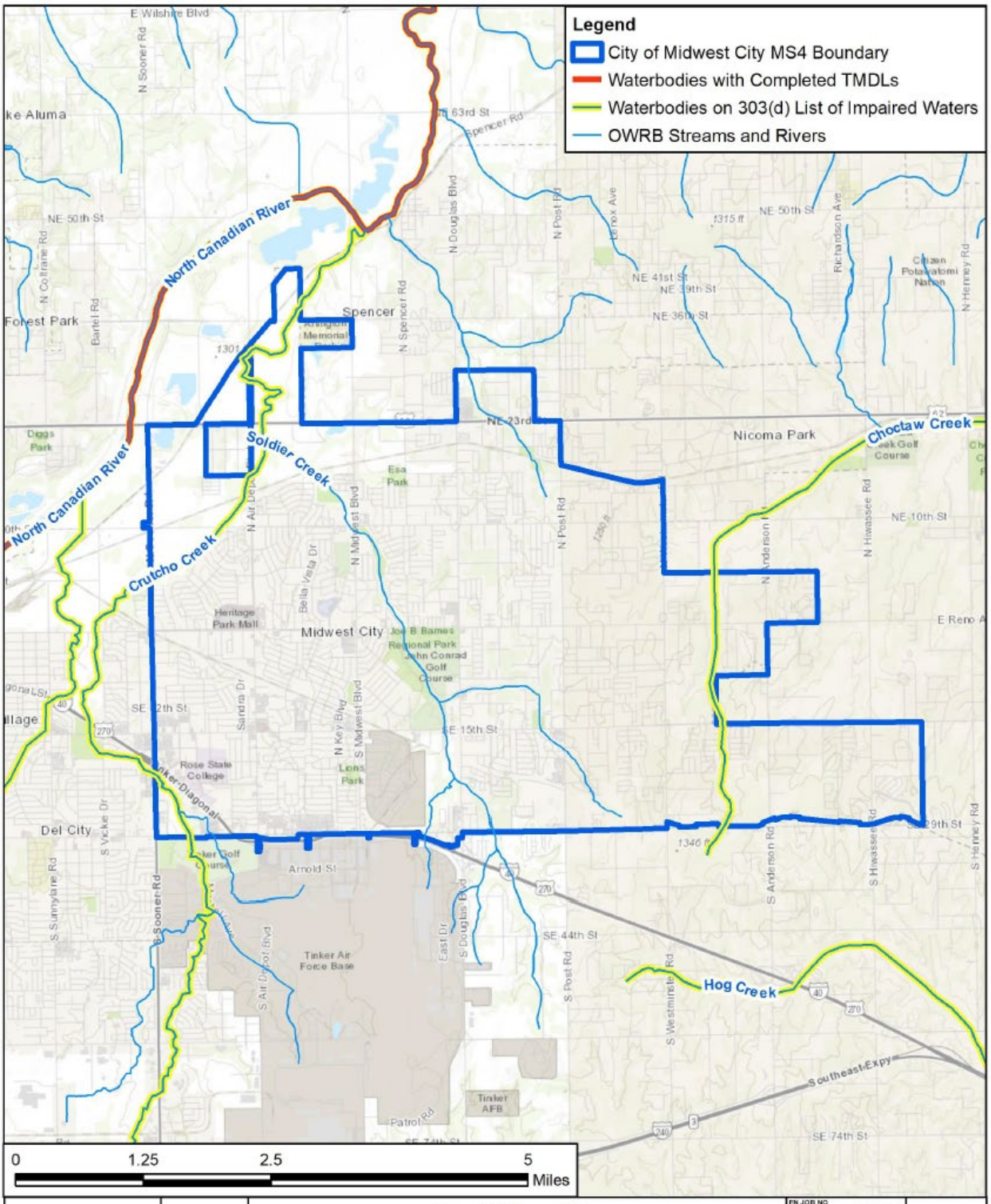
If the indicator data published in the 2020 Oklahoma Integrated Report of Surface Water Quality (the 2020 IR) reveal that water quality is inadequate to meet the goals of the waterbody's beneficial use, the ODEQ identifies the waterbody as an impaired water in a section of the 2020 IR called the 303(d) list. The 303(d) list is required by the CWA and is submitted to EPA for approval. Waterbodies added to the list are subject to a total maximum daily load (TMDL) assessment, which is an assessment of the root cause of poor water quality.

For this permit, a waterbody is impaired if it has been identified, pursuant to the latest ODEQ and EPA approved CWA 303(d) lists or the 2018 IR for CWA Sections 305(b) and 303(d). Additionally, waterbodies with concerns for non-attainment or screening levels are identified within the 2018 IR and can be useful to evaluate potential sources of impairments.

3.2 Water Quality in Midwest City

The Phase II MS4 General Permit, OKR04, requires that the classified segment(s) that first receive(s) the City's stormwater discharges, either directly or indirectly, be identified. For the purposes of this evaluation, the MS4 is considered to be directly discharging to a receiving water if the waterbody is the first water of the state receiving stormwater discharges from a regulated MS4 outfall. Indirect stormwater discharges include all stormwater flows outside of the MS4 boundary and segments downstream of the direct receiving water.

Stormwater runoff from the urban area is contained in the North Canadian River watershed. Seven major creek segments and their associated sub-watersheds within the City's MS4 drain to the North Canadian River watershed. The classified segments, as well as unclassified waterbodies that receive stormwater discharges before reaching the classified segment, are displayed in Figure 2 and summarized below in Table 1. The map also includes waters of the state, waterbodies included on the 303(d) list of impaired waters, and waterbodies with TMDLs within the boundaries of the MS4.



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City of Midwest City

Stormwater Management Plan

Receiving Waters Map

FN JOB NO	MDW23872
FILE NAME	Receiving Waters.mxd
DATE	9/18/2023
SCALE	1:80,000
DESIGNED	JRF
DRAFTED	kmb

2
FIGURE

Path: T:\ES\Receiving Waters.mxd

NAD 1983 StatePlane Texas South Central FIPS 4204 Feet

Table 1. Major Receiving Waters within MS4

Waterbody	WBID [1]	303(d) [2]	TMDL[3]
Choctaw Creek	OK520520000030_00	Dissolved oxygen	
Silver Creek	OK520520000050_00		
Crutcho Creek	OK520520000060_00	Dissolved oxygen	
Crutcho Creek	OK520520000070_00	Enterococcus, E. coli, Dissolved oxygen	
Crutcho Creek	OK520520000070_10		
North Canadian River	OK520520000010_30	Enterococcus, E. coli	North Canadian River Area Bacteria TMLDs-2010
Soldier Creek	OK520520000080_00		
Soldier Creek 3001 Branch	OK520520000310_00		
Kuhlman Creek	OK520520000330_00		
Soldier Creek Tributary 6	OK520520000340_00		

1 WBID = Waterbody ID identifier, used by ODEQ and other agencies in Oklahoma.
2 303(d) = Waterbody is on the 2014 303(d) list of impaired waterbodies.
3 TMDL = Waterbody has a completed and EPA/ODEQ approved TMDL study.

If the MS4 is discharging directly to an impaired segment or is discharging indirectly to a segment which is part of a watershed subject to TMDL requirements, the SWMP outlines the manner in which the City will address these impaired waters in Section 4.2.3 and Appendix A.

The City has reviewed the latest lists of waterbodies from ODEQ within its MS4 boundaries that have 303(d) impairment and/or completed Total Maximum Daily Loads (TMDLs). Table 1 summarizes which of the major receiving waters are listed as 303(d) impaired or have completed TMDLs. There are no receiving waters designated as Aquatic Resources of Concern (ARC) or listed as Outstanding Resource Waters (ORW) located within the City's MS4 boundaries.

4.0 OKR04 PERMIT OVERVIEW

The City is required to update this SWMP and describe specific actions that will be completed over a five-year period to reduce pollutants and protect the City's stormwater quality. This SWMP also sets measurable goals and provides a schedule for the implementation of BMPs over the next five years. The OKR04 permit divides MS4 operators into one of three categories based on the population served within the most recent decennial census and UA. The category of a Phase II MS4 may change during the permit term based on the MS4 operator acquiring or giving up regulated area, such as by annexing or de-annexing. However, the category of a Phase II MS4 will not change during the permit term based on population fluctuation. The three categories are described below:

- **Category 1 -** Operators of Phase II MS4s that serve a population of less than 10,000 within an UA.
- **Category 2 -** Operators of Phase II MS4s that serve a population of greater than or equal to 10,000, but less than 50,000, within an UA, or a population greater than or equal to 10,000 but less than or equal to 100,000 with a population density greater than or equal to 1,000/square mile or more outside of an UA.
- **Category 3 -** Operators of Phase II MS4s that serve a population of greater than or equal to 50,000 within an UA.

The City of Midwest City has been identified as a Category 3 Phase II MS4 by the ODEQ.

4.1 Minimum Control Measures (MCMs)

Various BMPs must be developed for the minimum control measures (MCMs) that are expected to minimize the discharge of stormwater pollutants into the storm sewer system to the maximum extent practicable and provide water quality protection for receiving waterbodies. Five MCMs are required for all MS4s and a sixth MCM is required only for Category 3 MS4s. An optional seventh MCM to address municipal construction activities through the SWMP was not selected by the City for inclusion in this SWMP.

All permitted Category 3 Phase II MS4s must develop a comprehensive SWMP that addresses the following six MCMs:

1. Public Education and Involvement
2. Industrial Stormwater Runoff
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post Construction Management in New Development and Redevelopment
6. Pollution Prevention (P2)/Good Housekeeping for Municipal Operations

Specific requirements according to Phase II MS4 category have been developed by the ODEQ for each MCM in the General Permit, OKR04. The City is also required to conduct an annual review and make updates to the SWMP, as necessary, and record changes in the annual report. The BMP Activities and Documentation List (Appendix A) is designed to summarize all activities within the SWMP. A general description of each MCM is provided below:

A. MCM 1: Public Education and Involvement – Assess and modify existing elements, and develop and implement new elements, as necessary, for a public education and outreach program regarding stormwater quality issues and to reduce the discharge of pollutants from the MS4 to the MEP. The program involves the target audience including public employees, businesses, and the public with implementation of the program. In summary, this MCM requires the following program goals for all MS4 levels:

1. Include education and involvement efforts for target audiences.
2. Public education and involvement activities shall be conducted as outlined in Table V-2 and may include public involvement and educational activities listed in Table V-1. Table V-2 and V-1 are from the OKR04 permit.
3. Include a process by which public comments on SWMP are received and reviewed by the person(s) responsible for the SWMP.
4. Comply with state and local public notice requirements when implementing your program.
5. You must make your records, including NOI and SWMP, available to the public.
6. If you discharge to waters identified on the latest 303(d) list of impaired waters, your program must be directed toward targeted groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts on your impaired waters.

The City will use a variety of public education and involvement BMPs to inform individuals and groups within the community about the steps they can take to reduce stormwater pollution and become involved in the stormwater program. Appendix A summarizes all BMPs that will be used for this MCM. Appendix A also lists the Measurable Goals and schedule of implementation assigned to each BMP.

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

B. MCM 2: Industrial Stormwater Runoff Control– 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 to the Phase II MS4. At a minimum, the program requirements shall be consistent with the OKR05 permit. In summary, this MCM requires the following program goals for all Category 3 MS4s:

1. Maintain and annually update a list of industrial facilities that are subject to OKR05, or individual OPDES or NPDES permits for discharges of stormwater associated with industrial activity, that ultimately discharge to the Phase II MS4.

2. Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to require BMPs that will minimize exposure, provide good housekeeping, preventative maintenance, spill prevention and response, and erosion and sediment controls, as well as sanctions to ensure compliance. Review and revise your existing ordinance to meet permit requirements.
3. Implement and enforce procedures for site inspection and enforcement of control measures, including enforcement escalation procedures for recalcitrant or repeat offenders. Document inspection findings and take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure site compliance. At minimum site inspections shall be conducted at the frequencies outlined in Table V-3 from the OPDES General Permit No, OKR04.

Table V-3 Minimum Number of Industrial Facilities Inspected Per Year

Number of Facilities Within MS4 Boundaries	Number of Facilities Inspected
< 50	20% per year[1]
≥ 50	10 per year

[1] The number of facilities inspected shall be rounded up to the nearest integer.

Appendix A summarizes all BMPs that will be used for this MCM and lists the Measurable Goals and schedule of implementation assigned to each BMP.

C. MCM 3: Illicit Discharge Detection and Elimination (IDDE) – Assess and modify existing elements, and develop and implement new elements, as necessary, for a program to detect, investigate, and eliminate illicit discharges into the Phase II MS4. This involves the creation/review of ordinances that prohibit non-stormwater discharges to the MS4, except for those outlined as allowable non-stormwater discharges in the current Phase II MS4 permit and provides the City the authority to perform inspections and enforce the requirements through sanctions or other enforcement mechanisms for continued reduction of pollutants in MS4 discharge to the MEP. If necessary, new elements will be implemented by the end of the permit term. In summary, this MCM requires the following program goals for all MS4 levels:

1. Identify priority areas including areas with higher likelihood of illicit connections or discharges (e.g., areas with older sanitary sewer lines or with a history of sewer overflows or cross -connections; areas with older infrastructure that arere ore likely to have illicit connections; areas of industrial, commercial, or mixed use; areas with a history of past illicit discharges; areas with history of illegal dumping or citizen complaints; and areas that discharge to aquatic resources of concern (ARCs) or outstanding resource waters (ORWs). Update priority list to reflect changing priorities annually.

2. Trace or investigate the source of an illicit discharge. The investigation shall take place within 24 hours of the receipt of any complaints, reports or monitoring information that indicates a potential illicit discharge.
3. Remove the source of illicit discharge.
4. Identify problems using visual indicators and simple field test kits. Laboratory methods can be reserved for situations where you have identified a problem and need to enforce on a suspect illicit discharger.
5. At minimum, DWFS (Dry Weather Field Screening) shall be conducted at the frequency outlined in Table V-4 from the OKR04 permit.

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.

6. Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to effectively prohibit illicit discharges into the Phase II MS4 and implement appropriate enforcement procedures and actions.
7. Maintain and annually update a storm sewer system map showing the locations of all outfalls and the names and locations of all waters of the state that receive discharges from those outfalls.
8. Maintain and annually update a list of occasional incidental non-stormwater discharges or flows as allowed in the OKR04 permit provided in Appendix D that will not be addressed as illicit discharges.

Appendix A summarizes all BMPs that will be used for this MCM and lists the Measurable Goals and schedule of implementation assigned to each BMP.

D. MCM 4: Construction Site Stormwater Runoff Control – Assess and modify existing elements, and develop and implement new elements, as necessary, for a program to continue reducing pollutant discharges from small and large construction activities. Develop and maintain an ordinance or other regulatory mechanism that allows for City enforcement of the receipt and collection of information, such as stormwater plans and reports, and to enter and inspect private property related to stormwater discharges to the Phase II MS4 and prohibits the discharge of wastewater from washout of concrete and wastewater from water well drilling operations, unless managed by an appropriate control; wastewater from washout and

cleanout of stucco, paint, form release oils, and other construction materials; fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; soaps or solvents used in vehicle and equipment washing; and discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate BMPs. The program at minimum shall be consistent with the OKR10 permit. In summary, this MCM requires the following program goals for all MS4 levels:

1. Implement and enforce an ordinance, or other regulatory mechanisms, to the extent allowable under state or local law, to require erosion and sediment controls as well as sanction to ensure compliance. Review and revise your existing ordinance to meet the permit requirements.
2. Implement and enforce procedures for site plan review which incorporate consideration of potential water quality impacts including erosion and sediment controls, controls of other wastes, and any other impacts that must be examined according to the requirements of the local ordinance or other regulatory mechanism.
3. Implement and enforce procedures for site inspection and enforcement of control measures including enforcement escalation procedures for recalcitrant or repeat offenders. Document inspection findings and take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure site compliance. At a minimum, site inspection shall be conducted at the frequencies outlined in Table V-5 from the OKR04 permit.

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.

Appendix A summarizes all BMPs that will be used for this MCM and lists the Measurable Goals and schedule of implementation assigned to each BMP.

E. MCM 5: Post Construction Stormwater Management in New Development and Redevelopment – Assess and modify existing elements, and develop and implement new elements, as necessary, for a program to control stormwater discharges from new development and redeveloped sites that disturb one acre or more, to reduce the discharge of pollutants into the MS4 to the MEP. Develop and maintain an ordinance or other regulatory mechanism that allows for City enforcement of post-construction controls and the receipt and collection of information, such as stormwater plans and reports, and to enter and inspect private property related to stormwater discharges to the Phase II MS4. Additionally, the program must maintain pre-development runoff conditions and ensure that controls are in place that would prevent or minimize water quality impacts. In summary, this MCM requires the following program goals for all MS4 levels:

1. Implement and enforce ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to require the use of BMPs, with highest preference given to Low Impact Development (LID) techniques and practices, to address post-construction runoff from new development and development projects.
2. Implement and enforce procedures, such as ordinances or other regulatory mechanisms, to ensure adequate long-term operation and maintenance of BMPs that are installed during and left in place after the completion of a construction project. Maintenance may be conducted by the MS4 or by the owner/operator of the BMP(s). For this part, the owner/operator is the party with control over operational and maintenance activities of the BMP(s), including homeowner associations (HOAs), commercial and industrial entities. Owner of individual residential properties, which serve as the owner's primary residence, may be excluded.
3. Review local ordinances, regulations, and engineering plans or specifications to identify any legal/regulatory barriers to LID as well as opportunities to promote LID. Develop a schedule to remove those barriers and implement identified opportunities. If a barrier is not removed or an opportunity is not implemented, provide a justification.
4. Assess current street design, parking lot guidelines, and other requirements that affect the creation of impervious cover and implement additional guidelines or design standards to support LID design options. Provide justification if additional guidelines are not implemented.

Appendix A summarizes all BMPs that will be used for this MCM and lists the Measurable Goals and schedule of implementation assigned to each BMP.

F. MCM 6: Pollution Prevention and Good Housekeeping for Municipal Operations – Assess and modify existing elements, and develop and implement new elements, as necessary, for an operation and maintenance program for municipal operations to continue the reduction of pollutant discharges from the MS4 to the MEP. In summary, this MCM requires the following program goals for all MS4 levels:

1. Maintain and annually update an inventory of all your MS4 operations that are impacted by this program.
2. Maintain and annually update a list of industrial facilities you own or operate that are subject to the OKR05, or individual OPDES or NPDES permits for discharges of stormwater associated with industrial activity, that ultimately discharge to the Phase II MS4. Include the authorization number of a copy of the industrial NOI form for each facility.
3. Implement and enforce procedures for controlling, reducing, or eliminating the discharge of pollutants. At minimum, you must proceed as follows:
    1) Require implementation of BMPs, including sediment and erosion controls during
        - Routine maintenance
        - Water line breaks and emergency repairs, and
        - After line breaks, emergency repairs, and routine maintenance have been completed, stabilization measures shall be implemented within fourteen (14) calendar days of completion.
    2) Ensure that vehicle wash waters are not discharged into the MS4 or waters of the state.
4. Implement and comply with procedures to ensure that new flood management projects are assessed for impacts on water quality.
5. Any contractor hired to perform maintenance activities on MS4 facilities must be contractually required to comply with all your stormwater control measures, good housekeeping practices and facility-specific stormwater management operating procedures. The MS4 shall provide oversight to ensure these contractual obligations are met.
6. Implement and enforce procedures for inspection and maintenance of structural and non-structural BMPs, including maintenance activities, maintenance schedules and long-term inspection procedures for controls to reduce floatables and other pollutants discharged to the Phase II MS4. At a minimum, inspections shall be conducted at the frequencies outlined in Table V-6 from the OKR04 permit.

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

Appendix A summarizes all BMPs that will be used for this MCM and lists the Measurable Goals and schedule of implementation assigned to each BMP.

G. Optional Permit Requirements for Municipal Construction Activities - Develop program for construction activities as an alternative to the Phase II MS4 operator seeking coverage under the permit where the City meets the definition of construction site operator. This optional MCM requires development of a detailed plan addressing how the City's construction activities will meet construction stormwater permit requirements.

The City has elected not to implement this MCM for this permit term.

4.2 Other Eligibility Criteria and Special Conditions

4.2.1 Historic Preservation – OKR04 Part II.D

ODEQ's OPDES permitting activities are not Federal undertakings and, therefore, are not subject to review under Section 106 of the National Historic Preservation Act. However, applicants and permittees must comply with the Oklahoma State Register of Historic Places Act (53 O.S. § 361), where applicable, and the Burial Disturbance Law [21 Oklahoma Statutes (O.S.) §§ 1168.0-1168.6), as well as with any applicable local laws concerning the identification and protection of historic properties.

OKR04 permittees who receive Federal funding or other Federal assistance in the completion of their OKR04-related projects may have to comply with Section 106 of the Historic Preservation Act. For information about the Section 106 review process in Oklahoma, Oklahoma properties listed on or eligible for the National Register of Historic Places, and related topics, the following shall be contacted:

- State Historic Preservation Office - contact info listed in Part II.D of the OKR04 permit
- Oklahoma Archeological Survey - contact info listed in Part II.D of the OKR04 permit

The City will comply with OKR04 Part II.D (Historic Preservation) whenever permit-related activities require such action. This will include communications with the State Historic Preservation Office and Oklahoma Archeological Survey to discuss what actions the City may have to take to comply with rules governing preservation of historical sites and resources, including compliance with the Oklahoma State Register of Historic Places Act and the Burial Disturbance Law of Oklahoma. It is understood that normal OKR04 permit compliance activities taken by the City under OKR04 do not require Section 106 review under the National Historic Preservation Act.

4.2.2 Eligibility Criteria for Endangered Species – OKR04 Part II.E

The City has reviewed the eligibility criteria and requirements of OKR04 Part II.E and has determined that no part of the City's MS4 lies within areas of Aquatic Resources of Concern (ARC) as shown on the Exhibit 1 map in OKR04. The appropriate Criterion has been specified in Item 7 of the NOI Form.

OKR04 Part II.E requires that information used to make the eligibility determination is documented and included as part of the SWMP. Appendix C provides the methods and documentation of the assessment used by the City to select Criterion A.

4.2.3 Discharges to Impaired Waters – OKR04 Part IV.A.

In addition to the MCM requirements, OKR04 describes required actions if a regulated MS4 discharges a pollutant of concern to an impaired waterbody or discharges into a waterbody that is part of a watershed with an approved TMDL, regardless of if the waterbody itself is impaired. For the administration of this permit, a watershed boundary is considered as it is defined by the TMDL requirements and/or I-Plan. Not all regulated MS4s discharge into an impaired waterbody, and thus these requirements do not apply to all regulated entities. If a regulated MS4 discharges a pollutant of concern to an impaired waterbody with an established TMDL, the regulated MS4 must be consistent with the approved TMDL to be eligible for coverage by the OKR04 permit. The TMDL process includes an intensive assessment of the root cause of poor water quality, a determination of the maximum pollutant loading allowable while still meeting water quality use standards, and development of a plan by local stakeholders to remediate pollution sources.

For MS4s discharging a known pollutant of concern into impaired waterbodies, their SWMP must include information on the implementation of "targeted controls", which are activities, practices, or structural controls that focus on reducing the water quality impact of the specific pollutant. For each targeted control, a measurable goal, implementation schedule, and "benchmark" must be established. A

benchmark is a quantifiable goal designed to assist in determining if the targeted controls are effective in addressing the pollutant. The exceedance of a benchmark does not indicate a permit violation; it does, however, help in the evaluation of the progress towards reducing pollutant discharges.

The BMPs provided in Appendix A address the City's specific actions to control the discharge of pollutants of concern to impaired waters and evaluate the progress of controlling those pollutants. The BMPs will be implemented to ensure that stormwater discharges from the MS4 will not cause, have the reasonable potential to cause, or contribute to an in-stream exceedance of water quality standards (WQS). WQS for beneficial uses can be found in OAC 252:730-5-10 (Public and Private Water Supplies), 252:730-5-12 (Fish and Wildlife Propagation), OAC 252-730-5-13 (Agriculture: Livestock and Irrigation), OAC 252:730-5-17 (Secondary Body Contact Recreation), and OAC 252:730-5-19 (Aesthetics).

Potential sources of these pollutants are stormwater runoff from the urbanized area of the City from application of lawn care chemicals and fertilizers, construction activity, pet waste and other impervious surfaces. The primary means of control of discharges containing pesticides and nutrients to the MS4 will be by a public education/involvement program to inform the public about adverse environmental impacts from overuse and misuse of these chemicals. Information on the proper use, reduction, and safe alternatives for these chemicals will also be distributed to the community. The main effort to control the discharge of organic pollutants to the MS4 will be through the detection and elimination of illicit domestic sewage discharges to the MS4.

4.2.4 Established Total Maximum Daily Load (TMDL) Allocations – OKR04 Part IV.B

Each permittee must address all conditions specified in a completed Total Maximum Daily Load (TMDL) or Watershed Plan for stormwater permitted dischargers. If a TMDL includes a waste load allocation or load allocation for a parameter likely to be discharged by the MS4, discharges must meet any limitations, conditions, or other requirements of the waste load allocation (WLA), load allocation and/or TMDLs associated implementation plan within any timeframes established in the TMDL or watershed plan. Monitoring and reporting of the discharges may also be required as appropriate to ensure compliance with the TMDL, or watershed plan. The SWMP must be modified to implement the TMDL within the timeframe established in the TMDL or as otherwise specified in watershed plan.

Until late 2013, all TMDLs with permitted MS4s stated that MS4 requirements would begin "upon notification by the Director". This meant that the MS4s in the TMDL did not have to begin addressing the TMDL requirements until ODEQ notified them to begin implementation. The 2021 OKR04 General Permit

served as notification of the requirement to implement TMDLs listed in Table IV-2 of the General Permit for the applicable MS4 discharges. The City was included in this notification for Basin 5 Canadian-North Canadian-Deep Fork, North Canadian River Area Bacteria TMDLs-2010 TMDL Report.

TMDL Implementation

For the North Canadian River Area Bacteria TMDLs, only two relatively small and undeveloped areas in northwest Midwest City discharge to the North Canadian River (see Figure X). Stormwater infrastructure is limited, and only one outfall has been identified. A Baseline Monitoring Plan will be developed to determine the existing levels of E. coli in the discharge(s) and identify high priority areas which may benefit from targeted BMPs by June 1, 2025. Midwest City's existing QAPP will be reviewed and revised as necessary to include elements required to address E. coli sample collection and analysis.

Due to the individual nature of requirements within each TMDL document, the City will take the following actions regarding future completed TMDLs within its MS4 when necessary:

1. Review the latest list of completed TMDLs from ODEQ and obtain all TMDL documents applicable to the MS4.
2. Determine the requirements placed upon the City in each TMDL's Appendix.
3. For Notification TMDLs, begin formulating a strategy to begin meeting the TMDL requirements once notification is received from ODEQ.
4. For EPA Approved TMDLs, begin developing the resources and written plans required by the TMDL.
5. Research the feasibility of joining a regional monitoring program if allowed by the TMDL. Otherwise, develop a means of conducting local monitoring as required by the TMDL.
6. Seek assistance from agencies and other resources, as needed, to develop all written procedures and documentation required by the TMDL.
7. Research and adopt the most effective and reasonable BMPs to include in the pollutant reduction plan required by the TMDL and identify resources for BMP implementation.
8. Seek assistance from outside resources and begin implementing all TMDL requirements on schedule.
9. Modify the SWMP to include any assigned WLA for the MS4 as a Measurable Goal.

4.3 Program Development Summary

Existing City programs and activities that protect the City's stormwater quality were identified and are included in the SWMP as applicable. These programs and activities will be supplemented with several new BMPs to provide additional protection of stormwater quality as required by the OKR04 General Permit.

An implementation schedule and measurable goals to track the implementation progress have been developed for each of the BMPs in this SWMP. Each BMP was selected based on the projected effectiveness in protecting stormwater quality and its ability to aid in compliance with permit conditions.

The implementation schedule and measurable goals were selected so new stormwater program activities will be steadily phased in over the permit term. The City will review the implementation progress each year and modify the SWMP as necessary.

The BMP Activities and Documentation List (Appendix A) is designed to summarize all activities within the SWMP. It identifies each BMP with activity descriptions, how it meets specific permit requirements, responsible City departments, measurable goals, implementation schedules, and documentation needs over the five-year permit period. Appendix C documents the endangered species protection determination for the City.

5.0 COMPLIANCE APPROACH

The City developed this SWMP to comply with OPDES requirements for stormwater discharges and certain non-stormwater discharges. The SWMP is intended to aid in the City's efforts to reduce stormwater pollutants from the City's storm sewer system to the MEP as required by the OKR04 permit.

The SWMP describes specific actions that will be taken over this permit term to reduce pollutants and protect the City's stormwater quality. The specific activities to be implemented are referred to as BMPs. Various BMPs have been developed for each of the required MCMs. The SWMP also sets measurable goals and provides a schedule for the implementation of the BMPs. Implementation of the selected BMPs is expected to result in a reduction of pollutants discharged into the City's streams, ponds, and lakes.

The BMP Activities and Documentation List (Appendix A) has been developed to demonstrate compliance in one location with descriptions, measurable goals, implementation and maintenance schedules, and documentation needs for the BMPs the City has implemented or will implement. Appendix A will serve as the summary of written procedures describing how the permittee will implement the provisions in Parts V and VI of the OKR04 permit. In addition to Appendix A, the City will develop specific compliance guidance for the day-to-day operations of its SWMP.

The City will review the SWMP and the implementation procedures for MCMs 1 through 6 annually and update as necessary.

5.1 Best Management Practice Selection Process

The City assessed existing program elements set forth in the previous permit, modified as necessary, and developed and implemented necessary new elements to continue reducing the discharge of pollutants from the MS4 to the MEP. As a result, BMPs described in the previous permit were kept, modified, or replaced, as necessary.

5.1.1 Assessment of Existing BMPs

The City has historically implemented various BMPs intended to protect stormwater quality. An important aspect of developing an effective, compliant, and cost efficient SWMP is to account for the existing programs that are efficiently benefiting water quality. Likewise, a successful SWMP involves modifying or eliminating inefficient or ineffective existing BMPs. As such, one of the initial steps of the assessment process, which included meetings with staff from City departments, involved modifying or eliminating BMPs.

5.1.2 Identification of Additional BMPs

The second step identified additional BMPs that would meet requirements of the permit and protect water quality to the MEP. Additional BMPs were selected to supplement the City's existing programs and to satisfy unmet requirements of the OKR04 permit. The additional BMPs were evaluated based on their ability to meet at least one, and preferably several, of the MCM requirements.

The evaluation process involved researching a variety of sources of BMPs, such as regulatory agencies, industry associations, and private enterprises. Some of the additional BMPs were selected directly from standard BMP "toolboxes" available from the EPA, while others were tailored to the specific needs of the City. Each BMP considered was evaluated based on the following criteria:

- Which of the minimum control measure requirements does the BMP meet?
- How does the BMP fit into the City's existing goals, operations, and activities?
- What is the anticipated effectiveness of the BMP?
- What is the general cost range to implement the BMP?

Specific costs for the BMPs were not identified during the development of this SWMP; however, BMPs with significant investment requirements and relatively minor stormwater quality benefit were not selected. More detailed budget requirements will be evaluated, as needed, during the implementation of the BMP.

5.2 Selection Process for Measurable Goals and Implementation Schedule

Specific measurable goals have been developed for each BMP. In accordance with the permit requirements, measurable goals have been developed to evaluate the success of the City 's SWMP toward reaching the goal of protecting water quality and reducing pollutants to the MEP. Goals were selected with a consideration toward achieving steady implementation, assessing the ability to measure and track progress, and working within budgetary constraints. In general, measurable goals for existing BMPs monitor the effectiveness of the BMP, whereas measurable goals for new BMPs monitor their implementation progress.

The ODEQ has authorized the steady implementation of new BMPs over a multi-year period. For new BMPs, the first year of the permit program is largely dedicated to identifying the approach to implementing each activity. The second through fifth years focus on implementation of new BMPs, evaluating the effectiveness of existing BMPs, and tracking the implementation of new BMPs. For existing

BMPs, the first year of the permit term is largely dedicated to continuing and evaluating the existing activities.

5.3 Measurable Goal Evaluation Process

The selected measurable goals for each BMP will be evaluated on an annual basis. Implementation of each BMP will be tracked as appropriate during each permit year to provide documentation of the BMP activities. Relative success at achieving the measurable goals, as well as an assessment of the effectiveness of each BMP, will also be evaluated on an annual basis.

Multiple City departments/divisions are responsible for implementing portions of the SWMP and for tracking and evaluating the City's success in meeting the program's measurable goals. Each City department/division with activities or responsibilities that may impact stormwater quality will maintain documentation showing progress towards meeting the annual measurable goals for each BMP and make this information available to the person designated for SWMP coordination.

5.4 Targeted Controls for Impaired Waterbodies

As summarized in Section 2.2 and Table 1, the City's MS4 discharges stormwater to impaired waterbodies and to Basin 5 of the Canadian-North Canadian-Deep Fork, which is listed in the North Canadian River Area Bacteria TMDLs-2010 TMDL Report. Therefore, the SWMP is required to include focused BMPs with corresponding measurable goals as included in the BMPs identified in Appendix A.

5.5 Legal Authority and Regulatory Mechanism

The City, in accordance with the OKR04 permit conditions, will review and revise, if needed, its relevant ordinance(s) or other regulatory mechanism(s), or adopt a new ordinance(s) or other regulatory mechanism(s) that provide the City with adequate legal authority to control pollutant discharges into and from its Phase II MS4 to meet the requirements of this general permit.

The City's legal authority will be reviewed to address the following:

1. Authority to prohibit illicit discharges and illicit connections.
2. Authority to respond to and contain other releases – Control the discharge of spills and prohibit dumping or disposal of materials other than stormwater into the Phase II MS4.
3. Authority to require compliance with conditions in the City's ordinances, permits, contracts, or orders.
4. Authority to require installation, implementation, and maintenance of control measures.

5. Authority to receive and collect information, such as stormwater plans, inspection reports, and other information deemed necessary to assess compliance with this permit, from operators of construction sites, new or redeveloped land, and industrial and commercial facilities.
6. Authority, as needed, to enter and inspect private property including facilities, equipment, practices, or operations related to stormwater discharges to the Phase II MS4.
7. Authority to respond to non-compliance with BMPs required by the Phase II MS4 consistent with their ordinances or other regulatory mechanism(s).
8. Authority to assess penalties, including monetary, civil, or criminal penalties; and
9. Ability to enter into interagency or interlocal agreements or other maintenance agreements, asnecessary.

5.6 Assessment of Allowable Non-Stormwater Discharges

In accordance with the requirements of the OKR04 permit, the following non-stormwater discharges were assessed to determine whether they are known to be significant contributors of pollutants to the City's waterbodies and were determined to be allowable non-stormwater discharges:

1. Diverted stream flows.
2. Uncontaminated discharges from riparian areas and wetlands.
3. Uncontaminated ground water or spring water.
4. Residential building wash waster that does not use detergents, solvent, and/or soaps.
5. Uncontaminated pumped ground water.
6. Uncontaminated ground water infiltration.
7. Uncontaminated discharges from potable water sources including water line flushing and fire hydrant flushing.
8. Foundation drains.
9. Air conditioning condensate.
10. Water from crawl space pumps.
11. Footing drains.
12. Residential, non-commercial, and charity car washing.
13. Uncontaminated and dechlorinated swimming pool discharges that do not violate WQS.
14. Street wash water, including wash water generated from the washing of other impervious surfaces such as sidewalks and parking lots, that does not use detergents, solvents, and/or soaps.
15. Discharge in compliance with a separate OPDES or NPDES permit.
16. Discharges of gray water from municipal splash pads (aka, spray parks or spray grounds), as defined in 27A O.S. § 2-6-107, unless otherwise permitted or regulated by DEQ, provided the

discharges comply with all applicable municipal or county ordinances enacted pursuant to law (discharge from recirculating systems shall be dechlorinated; and

17. Discharge or flows from emergency firefighting activities or training activities that are not taking place at a permanent facility, provided procedures are in place for the Incident Commander, Fire Chief, or another on-scene firefighting official in charge to make an evaluation regarding potential releases of pollutants from the scene.

Individual non-stormwater discharges determined to be contributing significant amounts of pollutants to the City's MS4 are prohibited. The above list of allowable non-stormwater discharges will be periodically reviewed by the City and updated, as needed, in this SWMP. Any local controls or discharge conditions required by the City on these incidental discharges will also be placed in this SWMP. Table 2 summarizes the assessments made by the City for each of the allowable non-stormwater discharges.

Table 2. Evaluation of Allowable Non-Stormwater Discharges within MS4

ALLOWABLE DISCHARGE	SAFETY [1]	IMPACT [2]	NATURAL [3]	PERMIT [4]
a. Water line flushing	X			
b. Landscape irrigation		X		
c. Diverted stream flows	X		X	
d. Rising ground waters			X	
e. Residential building wash water, no detergents		X		
f. Uncontaminated pumped ground water		X	X	
g. Uncontaminated ground water infiltration			X	
h. Discharges from potable water sources	X			
i. Foundation drains	X			
j. Air conditioning condensate		X		
k. Irrigation water		X		
l. Springs			X	
m. Water from crawl space pumps	X			
n. Footing drains	X			
o. Lawn watering		X		
p. Individual residential car washing		X		
q. De-chlorinated swimming pool discharges		X		
r. Street wash water	X			
s. Fire hydrant flushing	X			
t. Non-commercial or charity car washes		X		
u. Discharges from riparian areas and wetlands			X	
v. Discharges with a OPDES or NPDES permit				X
w. Gray water from municipal splash pads	X	X		
x. Discharges or flows from emergency firefighting	X			

1 Overriding public health and safety concerns make this allowable.
2 Flow or source is intermittent or small; not considered to be a significant source.
3 Flow from natural processes, mostly intermittent; not considered a significant source.
4 Authorized and allowed under another OPDES or NPDES permit.

6.0 RECORDKEEPING AND REPORTING

6.1 Recordkeeping

The City will maintain all records, a copy of the OKR04 permit and all data used to complete the NOI for this permit, for a period of at least three years, or for the term of this permit, whichever is longer. A current, up-to-date copy of the SWMP and a copy of the general permit requirements will be maintained at City offices.

Additionally, the City will post the NOI and SWMP on the website.

6.2 Annual Report

The City will submit an annual update report to the ODEQ Water Quality Division. The annual report must be submitted by April 30th of the following calendar year since the SWMP was implemented on a calendar year basis (January 1st through December 31st).

The annual report will summarize the City's actions to address the requirements listed in the OKR04 permit. Generally, the annual report will document the stormwater-related activities for the previous year, evaluate and analyze the success of each BMP and targeted controls relative to their measurable goals, and discuss plans for the upcoming year, including modifications to the SWMP. Modifications may include replacement of BMPs, alteration of the implementation schedule, or other changes allowed by the permit.

6.3 Program Updates

This program may be updated by the City at any time. When considering eliminating a BMP, the information in Appendix A is recommended to be reviewed to determine if the removal of the BMP will result in non-compliance for any of the MCMs. This would occur, for example, if the BMP is the only BMP that provides compliance for a specific permit provision. In such a case, the BMP would need to be replaced with a new BMP that continues to meet the relevant permit requirement.

6.4 Reference Material

Several sources of information are available for use in the maintenance and update of the SWMP. Each of these resources is recommended for additional information about alternative BMP options.

- The EPA has developed an electronic stormwater management BMP Toolbox specifically for use by Phase II MS4 regulated entities. It contains a list of BMPs for each minimum control measure.

It can be accessed at: https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu.

- The Center for Watershed Protection offers a good resource for publications and on-line documentation regarding stormwater quality at http://www.cwp.org/.

7.0 DEFINITIONS

The following are definitions of key words or phrases that are used throughout this SWMP. The definitions are taken directly from the renewed OPDES General Permit No. OKR04.

Aquatic Resource of Concern (ARC) is a waterbody which contains habitat for federally listed (by the U.S. Fish and Wildlife Service) or state listed (by the Oklahoma Department of Wildlife Conservation) endangered or threated aquatic species.

Best Management Practice (BMP) is the schedule of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of 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 means, for the purpose of this permit and in the context of stormwater associated with construction activity, any party or parties associated with a construction project that meets either or the following criteria:

1. Th party must have operational control over construction plans and specifications, including that ability to make modifications to those plans and specifications (e.g., owner)

2. The party must have day-to-day operational control of those activities at a project that are necessary to ensure compliance with a stormwater pollution plan (SWP3) for the site or other permit conditions (e.g., general contractor of the property).

In addition, "owner" refers to the party that owns the structure being built. Ownership of the land where construction is occurring does not necessarily imply the property owner is an operator (e.g., a landowner whose property is being disturbed by construction of a gas pipeline or a landowner who allows a mining company to remove dirt, shale, clay, sand, gravel, etc. from a portion of his property) This definition is provided to inform permittees or DEQ's interpretation of how the regulatory definitions of "operator" and "facility or activity" are applied to discharges of stormwater associated with construction activity.

Control Measure refers to any BMP or other method used to prevent or reduce the discharge of pollutants to waters of the state.

Clean Water Act (CWA) [33 U.S.C. 1251 et seq.] (formerly referred to as the Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended, Pub. L. 95-211, Pub. L. 95-576, Pub. L. 96-483, and Pub. L. 97-117.

Director means the Executive Director, chief administrator, or an authorized representative of the Department of Environmental Quality.

Discharge, when used without a qualifier, refers to "discharge of a pollutant" as defined at 40 CFR § 122.2.

Illicit Discharge is defined at 40 CFR § 122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not composed entirely or stormwater, expect discharges authorized under an OPDES or NPDES permit (other than the OPDES permit for discharges from the MS4) and discharges resulting from firefighting activities.

Impaired Water is a water which does not meet one of more of its beneficial uses due to not attaining applicable narrative or numeric water quality standards. Impaired waters are identified in the CWA section 303(d) listing from Appendix C of the most recent Integrated Report. Impaired waters include both waters with approved established TMDLs, and those for which TMDL has not yet been approved or established.

Large Common Plan of Development or Sale means an area where multiple separate and distinct land disturbing activities may be taking place at different times, on different schedules, but under one proposed plan. This plan consists of many small construction projects that collectively add up to one or more acres of total disturbed land. For example, an original common plan of development of a residential subdivision might lay put the streets, house lots, and areas for parks, schools, and commercial development that the developer plans to build or sell for development. All these areas would remain part of the commercial plan of development or sale until the intended construction is completed.

Low Impact Development (LID) is an approach to land development (or re-development) that works with nature to manage stormwater as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing, effective imperviousness to create functional and appealing site drainage that treats stormwater as a resource rather than a waste product.

Maximum Extent Practicable (MEP) – is the technology-based discharge standard for Municipal Sperate Storm Sewer Systems (MS4s) to reduce pollutants in stormwater discharges that was established by section 402(p) of the CWA, 33 U.S.C. § 1342.

Municipal Separate Storm Sewer System (MS4) is used to refer to either Large, Medium, or Small Municipal Separate Storm Sewer System. 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, and others). The term MS4 is defined at 40 CFR § 122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is/are:

1. Owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal or 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 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;

2. Designed or under collection or conveying stormwater;

3. Not combined sewer; and

4. Not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR § 403.3(q).

Newly Regulated Phase II (Small) MS4 – refers to a small MS4 newly designated as a result of US census data or other new information, and thus required to be covered under OPDES permit.

Notice of Intent (NOI) is the mechanism used to "register" for coverage under a general permit.

Non-traditional MS4 means state and federal prisons, office complexes, hospitals, state transportation agencies, universities, public housing, authorities, schools, and other special districts.

Notice of termination (NOT) is the mechanism used to terminate coverage under a general permit.

Outstanding Resource Waters (ORW) are designed as such in Oklahoma's Water Quality Standards under OAC 785:45-3-2(a).

Phase II (Small) MS4 is defined at 40 CFR § 122.26(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 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, or similar entity, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the state, but is not defined as a "large" or "medium" municipal separate storm sewer system. This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital, or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings.

Phase II (Small) MS4 Newly Designated after the Date of Permit Issuance refers to a small MS4 newly designated by EPA or DEQ after the date of this permit issuance.

Pollutant of Concern (POC) is a pollutant which causes or contributes to a violation of a water quality standard, including a pollutant, which is identified as causing an impairment in the latest 303(d) list, a TMDL report, or watershed plan.

Quality Assurance Project Plan (QAPP) is a document that outlines the procedures that those who conduct a monitoring project will take to ensure that the data they collect and analyze meets project requirements.

Stabilization is the process of covering exposed ground surfaces with vegetative or non-vegetative practices that reduce erosion and prevent sediment discharge from occurring.

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

Stormwater Management Program (SWMP) refers to a comprehensive program to manage the quality of stormwater discharged from the municipal separate storm sewer system (MS4).

Total Maximum Daily Load (TMDL) refers to the sum of the individual wasteload allocations (WLAs) for point sources, safety, reserves, and loads from nonpoint sources and natural background.

Urbanized Area (UA) is defined by the U.S. Census Bureau. The Census Bureau's urban areas represent densely developed territory, and encompass residential, commercial, and other non-residential urban land uses. The Census Bureau delineates urban areas after each decennial census by applying specified criteria to decennial census and other data. The Census Bureau identifies an urbanized area as an area with 50,000 or more people.

"You" and "Your," as used in this permit, is intended to refer to the permittee, operator, or discharger, as the context indicates, and the party's responsibilities (e.g., the city, the county, the flood control district, the U.S. Air Force, etc.).

Waters of the State means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, irrigation systems, drainage systems, storm sewers and all other bodies or accumulations of water, surface and underground, natural or artificial, public or private, which are contained within, flow through, or border upon this state or any portion thereof. Provided waste treatment systems, including treatment ponds or lagoons designed to meet federal and state requirement other than cooling ponds as defined in the CWA or rules promulgated thereto, and prior converted cropland are not water of the state [27A O.S. § 1-1-201(20).

Wasteload Allocation (WLA) is the fraction of the total pollutant load apportioned to all point sources and includes stormwater discharges regulated as point sources which are identified in the TMDL as WLA_MS4.

Appendix A
BMP Activities and Documentation List

MCM 1: Public Education and Involvement (V.C.1)							
NO.	BMP	OKR04 REFERENCE	DESCRIPTION OF ACTIVITY	TARGET AUDIENCE	MEASURABLE GOAL	IMPLEMENTATION YEAR	ADDITIONAL WQ REQUIREMENTS
1.1	Brochures, Pamphlets, or Door Hangers	V.C.1.a.i.(1) V.C.1.a.ii V.C.1.a.ii.(1)(a) V.C.1.a.ii.(2)(a)	1. Distribute educational materials to homeowners (household pollution control, proper chemical disposal, curbside recycling, local watershed pollution prevention, etc.) 2. Distribute educational materials to local industries (proper use and disposal of chemical products, waste management, local watershed pollution prevention, etc.)	1. General public 2. Local Industries	1. Distribute 100 brochures (addressing a minimum of three unique topics to be determined) annually. 2. Distribute brochures to 100% of the local industries identified in MCM2 annually.	Continuous	Impaired Waters, TMDL
1.2	Multi-Media Advertisements	V.C.1.a.i.(1) V.C.1.a.ii	Publish articles or advertisements (local newspaper, radio, social media, city newsletter) to inform the public about stormwater pollution prevention, urban stormwater protection, and hazards associated with illegal discharges and improper disposal of waste.	General public	Publish four (4) advertisements annually.	Continuous	
1.3	Posters and Signage for Community Education	V.C.1.a.i.(1) V.C.1.a.ii	Develop posters or signs for educating the public about stormwater quality, pollution prevention, and environmental and natural resource issues.	General public	Obtain one (1) poster or sign and post at two (2) community locations.	Continuous	
1.4	Street Signs at Local Stream Crossings	V.C.1.a.i.(1) V.C.1.a.ii	Purchase and display signage at local stream crossings for awareness of connections to local waterways.	General public	Install two (2) new signs annually at local stream crossings on arterial streets. Maintain existing signs as needed.	Continuous	Impaired Waters, TMDL
1.5	Storm Drain Markings	V.C.1.a.i.(1) V.C.1.a.ii	Maintain and replace storm drain markings on all MS4 stormwater inlets to address waste dumping into inlets. All of Midwest City's drains currently have markings.	General public	Inspect all stormwater inlets annually. Repair/replace stormwater inlet markings as needed.	Continuous	Impaired Waters, TMDL
1.6	Promotional Materials	V.C.1.a.i.(1) V.C.1.a.ii	Distribute give-away items with stormwater logo at community events, meetings, and city hall. Provide education materials at city facility tours.	General public Students	Distribute 100 promotional items at various city facilities and events annually.	Continuous	
1.7	Participate in Community Events/Public Meetings	V.C.1.a.i.(1) V.C.1.a.ii	Participate in community events and/or public meetings to encourage public participation in learning about environmental and natural resource issues and to raise environmental awareness in the public.	General public	Participate in one (1) community event or public meeting annually.	Continuous	
1.8	Stormwater Education for Schools	V.C.1.a.i.(1) V.C.1.a.ii	Work with local schools to provide promotional items and educational materials about the impacts of stormwater pollution.	Students	Provide educational material to two (2) schools annually.	Continuous	
1.9	Midwest City Tree Board/Stormwater Advisory Committee	V.C.1.a.i.(1) V.C.1.a.ii	Participate in development of a board responsible for Arbor Day Celebration and quarterly tree board meetings. Host a citizens advisory committee to promote involvement in the development of stormwater quality initiatives within the City.	General public	Participate in four (4) quarterly tree board meetings. Participate in four (4) quarterly meetings.	Continuous	

MCM 1: Public Education and Involvement (V.C.1)							
NO.	BMP	OKR04 REFERENCE	DESCRIPTION OF ACTIVITY	TARGET AUDIENCE	MEASURABLE GOAL	IMPLEMENTATION YEAR	ADDITIONAL WQ REQUIREMENTS
1.10	Household Hazardous Waste Program/Solid Waste Collection Program	V.C.1.a.i.(1) V.C.1.a.ii	Provide a facility for the public to drop off unwanted household hazardous waste (HHW). Use lidded carts for trash collection and provide facility for the public to dispose of bulk waste.	General public	Make the HHW facility available twice weekly throughout the year. Report total amount of waste collected. Allow residents four (4) free dumps per year per household of bulk waste.	Continuous	Impaired Waters, TMDL
1.11	Adopt-A-Spot	V.C.1.a.i.(1) V.C.1.a.ii	Adopt-A-Spot program is an expansion of Adopt-A-Street to include stormwater inlets, parks, and other adoptable locations within the City.	General public	Implement new Adopt-A-Spot Program Report all "Spots" adopted annually.	Permit Year 4 & 5 (June 2024-26)	Impaired Waters, TMDL
1.12	Partnership with Blue Thumb	V.C.1.a.i.(1) V.C.1.a.ii	Assist and promote Blue Thumb volunteer stream monitoring program.	General public	Participate in one (1) community event annually. Review and update the content of the website annually.	Continuous	
1.13	Stormwater Website	V.C.1.a.i.(1) V.C.1.a.ii V.C.1.a.v	Maintain a stormwater website with education materials and facilitate the reporting of stormwater quality concerns and illicit discharges. Develop a youth facing webpage with age-focused educational messages and games/puzzles.	General public Students	Review and update the content of the website annually. Post copies of the NOI and SWMP for public review.	Continuous	
1.14	Citizen Reporting	V.C.1.a.i.(1) V.C.1.a.ii V.C.1.a.iv	Residents can report construction site pollution or other stormwater related issues through the City website, by email or by telephone.	General public	Maintain a log of all stormwater pollution complaints. Respond to citizen complaints within 72 hours of receipt.	Continuous	
1.15	Staff Training	V.C.1.a.ii.(1)(b) V.C.1.a.ii.(2)(a) V.C.1.a.ii.(2)(c) V.C.1.a.ii.(3)(c) V.C.1.a.ii.(5)	Provide training to appropriate city staff on illicit discharges and construction site stormwater runoff, specifically inspections and reporting requirements.	MS4/City staff	Provide staff training annually.	Continuous	
1.16	Staff Training	V.C.1.a.ii.(1)(b) V.C.1.a.ii.(2)(a) V.C.1.a.ii.(2)(c) V.C.1.a.ii.(3)(c) V.C.1.a.ii.(5)	Provide training to appropriate city staff on industrial stormwater runoff, specifically inspections and reporting requirements.	MS4/City staff	Provide staff training every two years.	Permit Year 3 (June 2023-24)	
1.17	Staff Training	V.C.1.a.ii.(1)(b) V.C.1.a.ii.(2)(a) V.C.1.a.ii.(2)(c) V.C.1.a.ii.(3)(c) V.C.1.a.ii.(5)	Provide training to appropriate city staff on pollution prevention at MS4 operations.	MS4/City staff	Provide staff training annually.	Permit Year 5 (June 2025-26)	
1.18	Construction Industry Outreach Activities	V.C.1.a.ii.(3)(a) V.C.1.a.ii.(4)	Provide training to local developers, contractors, and home builders about construction site stormwater runoff, post-construction runoff, and illicit discharges.	Local developers, contractors, and builders.	Provide training annually.	Continuous	Impaired Waters, TMDL

MCM 1: Public Education and Involvement (V.C.1)							
NO.	BMP	OKR04 REFERENCE	DESCRIPTION OF ACTIVITY	TARGET AUDIENCE	MEASURABLE GOAL	IMPLEMENTATION YEAR	ADDITIONAL WQ REQUIREMENTS
1.19	Industrial Industry Outreach Activities	V.C.1.a.ii.(1)(a) V.C.1.a.ii.(2)(a) V.C.1.a.ii.(2)(b)	Provide training to local industrial facilities about industrial site stormwater runoff.	Local industrial facilities	Provide training every two years.	Continuous	Impaired Waters, TMDL

MCM 2: Industrial Stormwater Runoff Control (V.C.2)						
NO.	BMP	OKR04 REFERENCE	DESCRIPTION OF ACTIVITY	MEASURABLE GOAL	IMPLEMENTATION YEAR	ADDITIONAL WQ REQUIREMENTS
2.1	OKR05 Facility Database	V.C.2.a.i	Develop and maintain a list of OKR05 permitted facilities within the City.	Develop the list using DEQ data. Update the list annually.	Permit Year 3 (June 2023-24)	
2.2	City Ordinance	V.C.2.a.ii	Implement an ordinance to require BMPs that will minimize exposure, provide good housekeeping preventative maintenance, spill prevention and response, and erosion and sediment controls.	Review and update ordinances within two (2) years of OKR04 and OKR05 renewal.	Permit Year 4 (June 2024-25)	
2.3	Industrial Facility Inspection	V.C.2.a.iii	Develop internal procedures to inspect industrial sites. Inspect industrial facilities for compliance.	Develop internal procedures to inspect industrial sites. Inspect up to 10 (or 20% of total industrial facilities if less than 50) per year.	Permit Year 5 (June 2025-26)	

MCM 3: Illicit Discharge Detection and Elimination (V.C.3)						
NO.	BMP	OKR04 REFERENCE	DESCRIPTION OF ACTIVITY	MEASURABLE GOAL	IMPLEMENTATION YEAR	ADDITIONAL WQ REQUIREMENTS
3.1	City Ordinance	V.C.3.a.vi	Adopt and update the stormwater ordinance section consistent with the illicit discharge and local pollution control requirements of the SWMP and OKR04 permit. Enforcement actions including referrals, spill reports, inspections, and sampling may be used to identify violations of City stormwater regulations.	Review and revise ordinance one per permit cycle.	Continuous	Impaired Waters, TMDL
3.2	MS4 System Map	V.C.3.a.vii	Develop a stormwater system map for the entire MS4 showing outfalls, waters of the State, waters of the US and MS4 structures and controls.	Update GIS map of the MS4 system annually.	Continuous	Impaired Waters, TMDL
3.3	Identify High Priority Areas	V.C.3.a.i	Develop and maintain a list of high priority areas within the MS4.	Update the list annually.	Permit Year 4 (June 2024-25)	Impaired Waters, TMDL
3.4	DWFS for Illicit Discharges	V.C.3.a.ii V.C.3.a.iii V.C.3.a.iv V.C.3.a.v	Implement a Dry Weather Field Screening (DWFS) program to assess the condition of outfalls and detect illicit discharges, including illegal dumping and connections to the MS4. Illicit discharge investigations should include City inspections of the MS4 to detect illicit discharges. The inspections will be done visually by inspecting creeks, channels, utility holes, and other accessible parts of the MS4.	Screen 40% of identified outfalls annually and each high priority area outfall annually Trace, investigate, and remove all identified illicit discharges within 72 hours of identification. Collect samples where appropriate to characterize the pollutant.	Continuous	Impaired Waters, TMDL
3.5	Non-Stormwater Discharges	V.C.3.a.viii	Maintain a list of occasional, incidental non-stormwater discharges that are allowable under OKR04 (Part II(B)(2)) that will not require additional investigation under MCM3.	Update the list annually.	Continuous	Impaired Waters, TMDL
3.6	Bacteria Reduction Plan for 303(d) Impaired Receiving Waters	V.C.3.a.i	Implement a comprehensive bacteria 303(d) pollutant reduction plan. Identify 303(d) priority area for pollution source inspections and update as needed. Identify significant non-stormwater discharges of 303(d) pollutants.	Review and complete actions of the plan annually.	Continuous	Impaired Waters, TMDL
3.7	On-Site Sewage Disposal Systems and Overflows	V.C.3.a.ii V.C.3.a.iii V.C.3.a.iv V.C.3.a.v	Identify potential sources of pollution from on-site sewage disposal systems that may flow into the MS4. Control pollution from sanitary sewer overflows and bypasses.	Maintain map of 100% of potential onsite sewage disposal systems. Update annually. Investigate, remediate, and eliminate 100% of overflows annually.	Continuous	Impaired Waters, TMDL
3.8	Floatable Trash Removal Program	V.C.3.a.iii	Implement a floatable trash and debris removal program for local streams and MS4.	Deploy and replace all trash collection bags quarterly. Report total amount of waste collected annually.	Continuous	Impaired Waters, TMDL
3.9	Private Structural and Non-Structural Stormwater Control Inspections	V.C.3.a.iii	Implement operation and maintenance (O&M) program for structural and non-structural stormwater controls.	Inspect 50% of identified private stormwater controls annually.	Continuous	Impaired Waters, TMDL

MCM 4: Construction Site Stormwater Runoff Control (V.C.4)						
NO.	BMP	OKR04 REFERENCE	DESCRIPTION OF ACTIVITY	MEASURABLE GOAL	IMPLEMENTATION YEAR	ADDITIONAL WQ REQUIREMENTS
4.1	Construction Stormwater Runoff Control Ordinance	V.C.4.a.i	Adopt and update a construction ordinance or local code to control pollution, erosion, and sediment control from construction activities, permitting requirements, and enforcement options.	Review and update code of ordinances for compliance with OKR04 and OKR10 once per permit cycle.	Continuous	
4.2	Procedures for Site Plan Review	V.C.4.a.ii	Implement program for site plan review for construction projects greater than 1 acre within the MS4 for assessing the project's stormwater quality impacts. Implement program to address construction less than 1 acre disturbance. Develop requirements for construction site operators to implement sediment and erosion BMPs. Develop requirements for construction site operators to control wastes at sites.	Review all submitted earth change permit applications, stormwater pollution prevention plans, and sediment and erosion control plans. Require sediment and erosion controls for all sites. Require trash containers for all construction sites.	Continuous	
4.3	Construction Site Inspections	V.C.4.a.iii	Stormwater management considerations, locations for drainage features and water bodies on and near the construction site must also be submitted before permit issuance. Site inspection and enforcement procedures are documented and outlined. Training of staff is completed under BMP 1.15.	Inspect all sites greater than 40 acres in size, sites that discharge to an impaired waterbody, sites that discharge to a TMDL waterbody, and sites that have been identified as a threat to water quality at least once per month during construction. Inspect all other sites at least once per quarter during construction.	Continuous	
4.4	Green Infrastructure and Low Impact Development	V.C.4.a.ii	Implement incentive program for developers to use green building techniques. Implement a local incentives-based program to encourage developers to use LID. Evaluate an incentive-based system with existing developers to determine effectiveness of the system.	Investigate potential programming by end of permit cycle.	Permit Year 5 (June 2025-26)	

MCM 5: Post-Construction Management in New Development and Redevelopment (V.C.5)						
NO.	BMP	OKR04 REFERENCE	DESCRIPTION OF ACTIVITY	MEASURABLE GOAL	IMPLEMENTATION YEAR	ADDITIONAL WQ REQUIREMENTS
5.1	Post Construction Ordinance	V.C.5.a.i	Adopt and update a post- construction ordinance or local code for post- construction runoff.	Review and update code of ordinances for compliance with OKR04 once during the 2021-2026 permit cycle.	Once During 2021-2026 Permit Cycle	
5.2	Low Impact Development (LID) Ordinance	V.C.5.a.iii	Adopt/update City ordinance requirements for the use of stormwater BMPs, with highest preference given to LID techniques and practices, for post-construction protection of water quality. Modify local codes for street design and parking lots to support LID and reduce impervious cover.	Review and update code of ordinances for compliance with OKR04 once during the 2021-2026 permit cycle.	Once During 2021-2026 Permit Cycle	
5.3	Strategies for Structural BMPs	V.C.5.a.ii	Develop procedures for inspection and maintenance of catch basins, streets, parking lots, etc. Develop standards to direct growth away from sensitive areas and to increase open space. Inventory impervious areas and assess areas for potential retrofitting to reduce flows. Require use of structural BMPs, such as for filtration and storage, for city-owned projects.	Identify and maintain a log of permanent structural BMPs implemented during development and update annually.	Continuous	
5.4	Permanent Stormwater BMP Inspections	V.C.5.a.ii	Inspections of permanent post-construction stormwater controls will be performed to ensure proper function and maintenance, and to screen for illicit discharges. Either City or the operator of the permanent BMP will conduct inspections to verify proper operations and maintenance of the structural stormwater quality controls. Implement inspection and maintenance program for municipal LID projects.	Inspect all MS4-owned permanent post-construction BMPs annually. Inspect 50% of privately owned BMPs which have been identified annually.	Continuous	
5.5	Review/Retrofit with LID Design Elements	V.C.5.a.iv	Assess current street design, parking lot guidelines, and other requirements that affect the creation of impervious cover and implement additional guidelines or design standards to support LID design options. Provide a justification if additional guidelines are not implemented	Conduct review once during the 2021-2026 permit cycle.	Once During 2021-2026 Permit Cycle	

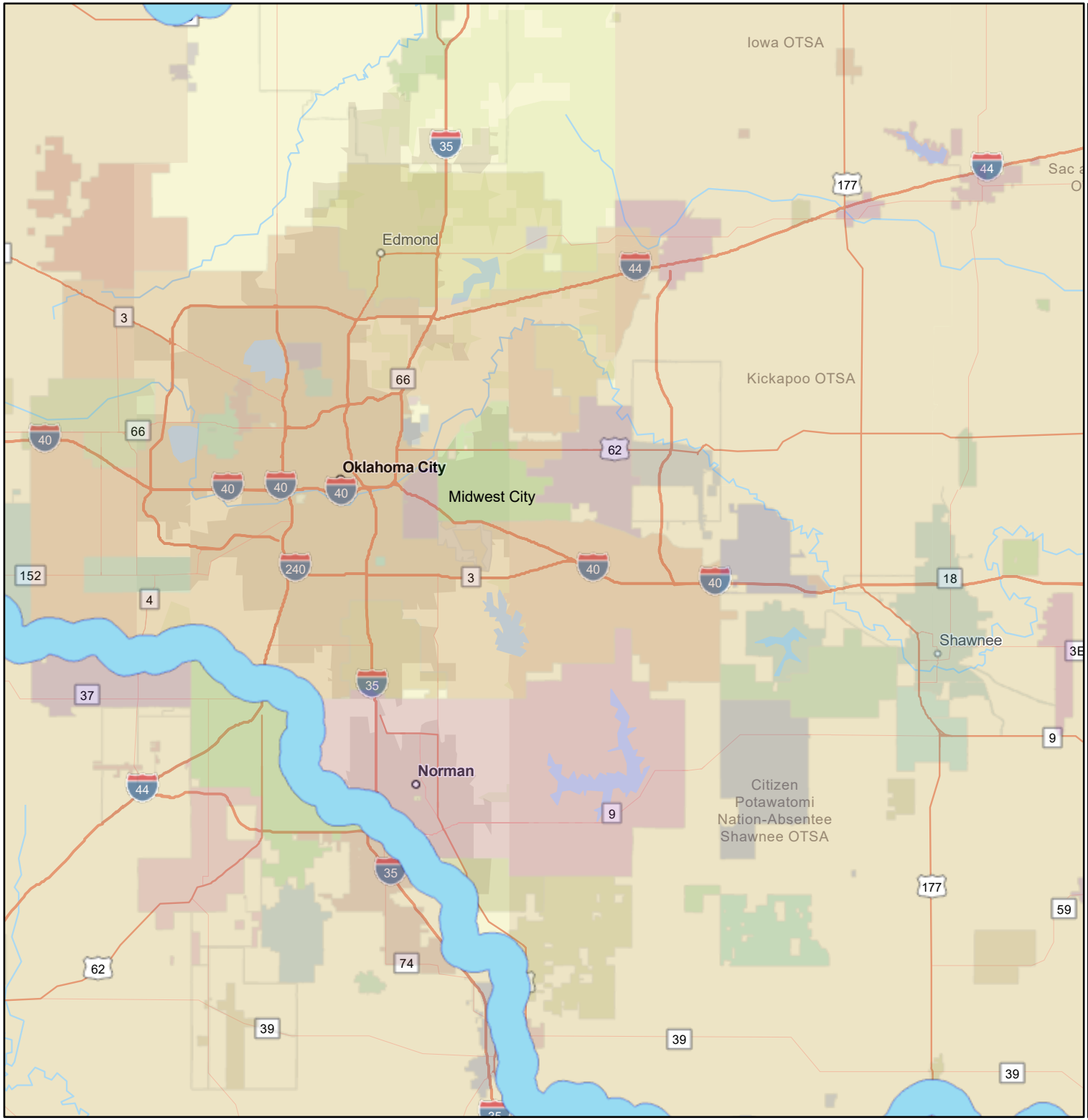
MCM 6: Pollution Prevention (P2)/Good Housekeeping for Municipal Operations (V.C.6)						
NO.	BMP	OKR04 REFERENCE	DESCRIPTION OF ACTIVITY	MEASURABLE GOAL	IMPLEMENTATION YEAR	ADDITIONAL WQ REQUIREMENTS
6.1	Street Sweeping	V.C.6.a.iii	Street sweeping activities for City-owned roadways and parking lots according to established procedures.	Sweep five miles annually.	Continuous	
6.2	List of City-Owned Facilities	V.C.6.a.i V.C.6.a.ii	Maintain a list of all city-owned facilities that are impacted by this MCM, including those that are subject to the OKR05 permit, individual NPDES/OPDES permit, or which have the potential to contribute polluted stormwater runoff.	Review and update list of facilities annually.	Continuous	
6.3	Pollution Prevention Procedures for City-Owned Projects and Facilities	V.C.6.a.vi	City facility inspections will identify operations that contribute to stormwater pollution and develop operational BMPs to reduce or eliminate sources. Implement inspection and maintenance program of City facilities' structural and nonstructural BMPs.	Inspect sites subject to OKR05 or an individual NPDES/OPDES permit at least once per quarter. Inspect sites at all other City-owned facilities impacted by this program at least once per year.	Continuous	Impaired Waters, TMDL
6.4	BMPs for City Operations	V.C.6.a.vi	Selected BMPs for City operations including facility maintenance, parks, and landscape maintenance, water, and sewer line maintenance, and MS4 maintenance will be implemented.	Ensure BMPs are implemented for all routine maintenance work and water line breaks and emergency repairs until site stabilization has been implemented for City projects. Stabilization measures must be implemented within fourteen (14) calendar days of completion. Ensure no vehicle wash water is discharged to the MS4 of waters of the State from City-owned facilities or projects.	Permit Year 1 (June 2021-22)	Impaired Waters, TMDL
6.5	Spill Pollution Prevention	V.C.6.a.iii	Implement a Spill Response and Prevention Plan for spills within the MS4. Emergency response spill kits will be furnished in vehicles with a spill risk.	Ensure spill kits are available for all Fleet Maintenance, Parks Maintenance, and Sanitation vehicles and facilities (with a spill risk).	Continuous	
6.6	Flood Management Projects	V.C.6.a.iv	Review new flood management projects to assess impacts on water quality.	Review all submitted floodplain permit applications.	Continuous	Impaired Waters, TMDL
6.7	Fleet Maintenance Activities	V.C.6.a.v	Develop procedures for storage and maintenance of city vehicles and equipment.	Ensure spill kits are available for all Fleet, Line Maintenance, Parks Maintenance, and Sanitation vehicles and facilities (with a spill risk).	Continuous	
6.8	City-Owned Facility and Storm Sewer System Connections	V.C.6.a.i V.C.6.a.ii	Locate and map all stormwater inlets at City-Owned facilities subject to this MCM.	Map two (2) facilities annually.	Continuous	

Appendix B
OPDES Small MS4 General Permit

The General Permit, OKR04, for Stormwater Discharges Associated with Municipal Separate Storm Sewer Systems in Small Cities, Urbanized Areas, and Other County Areas in the State of Oklahoma can be found online:

https://www.deq.ok.gov/wp-content/uploads/water-division/OKR04-Final-Permit-6.1.21.pdf

Appendix C
Eligibility Criteria for Endangered Species



Legend

OKR10
Stormwater
ARC 2012

Cities and Towns

NAME

- Achille
- Ada
- Adair
- Addington
- Afton
- Agra
- Akins
- Albany
- Albion
- Alderson
- Alex
- Aline
- Allen
- Altus
- Alva
- Amber
- Ames
- Amorita
- Anadarko
- Antlers
- Apache
- Arapaho
- Arcadia
- Ardmore
- Arkoma
- Armstrong
- Arnett
- Arpelar
- Asher
- Ashland
- Atoka
- Atwood

N
W E
S

0 5 10 15

Miles

Date: 4/16/2024

We make every effort to provide and maintain accurate, complete, usable, and timely information. However, some data and information on this map may be preliminary or out of date and is provided with the understanding that it is not guaranteed to be correct or complete. Conclusions drawn from, or actions undertaken on the basis of, such data and information are the sole responsibility of the user.

OKLAHOMA Environmental Quality

Appendix D
Notice of Intent (NOI) and General Permit Authorization

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 0011

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 Midwest City

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

Address: 100 N. Midwest Blvd.

City: Midwest City State: OK Zip Code: 73110 County: Oklahoma

Latitude: 35.464829 Longitude: -97.387293 Approximate area (sq. miles) of MS4: 25

II. MS4 Contact Information

Responsible Party: Tim Lyon Phone: 405-739-1207

Title: City Manager Email: tlyon@midwestcityok.org

Address: 100 N. Midwest Blvd. City: Midwest City State: OK Zip Code: 73110

Stormwater Program Manager: Patrick Menefee Phone: 405-739-1062

Title: PWA City Engineer Email: pmenefee@midwestcityok.org

Address: 8730 SE 15th St City: Midwest City State: OK Zip Code: 73110

Permit Fee Billing Contact: Donna Akins Phone: 405-739-1064

Title: PWA Administrative Secretary Email: dakins@midwestcityok.org

Address: 8730 SE 15th St City: Midwest City State: OK Zip Code: 73110

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?
Crutcho Creek	■-Yes ☐-No DO, Bacteria	■-Yes ☐-No
Soldier Creek	☐-Yes ■-No	☐-Yes ☐-No
Choctaw Creek	■-Yes ☐-No DO	☐-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: Tim Lyon Date: 8/27/21

Signature: TLyon Title: City Manager

Certification of Co-Permittee (if applicable)

Print Name: _____ Date: _____

Signature: _____ Title: _____

DEQ FORM 605-R04

April 30, 2021

Instructions for Completing Notice of Intent (NOI) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) under the OPDES General Permit OKR04

Completing the NOI Form
To complete an NOI form, type or print in all of the appropriate places of the form. Check the appropriate box whether you are filing for a new application, a modification, or a renewal of your current permit. Enter your current authorization number if you are applying for permit modification or renewal.

I. MS4 Information
Provide the MS4 name, legal status, street address, latitude/longitude of the City Hall or approximate center of the MS4, and the approximate area, in square miles, of the MS4.

II. MS4 Contact Information
Provide the legal name, title, mailing address, phone number, and email for the following:
1) Responsible Party: the person meeting the definition as described in IX. Certification.
2) Stormwater Program Manager: the person primarily responsible for implementing the Stormwater Management Plan (SWMP) and ensuring compliance with the OKR04 general permit.
3) Permit Fee Billing Contact: the person primarily responsible for receiving invoices and/or submitting annual permit fees and/or permit application fees.

III. Co-Permittee Information
You may partner with other MS4s to develop and implement your SWMP. For each co-permittee, provide the name of the entity, legal status, street address, and latitude/longitude. In addition, include the legal name, mailing address, phone number, and email for the co-permittee's stormwater program manager.

IV. Receiving Water Information
Identify all of the waterbodies that receive stormwater discharges from your MS4. Check the appropriate box(es) if the receiving waterbody is listed in the DEQ Integrated Report for 303(d) impaired waterbodies or drains to a watershed with an approved Total Maximum Daily Load (TMDL) report. Identify the pollutant(s) for which the waterbody is impaired.

V. Endangered Species Eligibility
Complete this section by checking the box which applies to your MS4.

VI. Optional Minimum Control Measure (MCM) 7
Indicate if you will be implementing MCM 7 optional permit requirements for municipal construction activities.

VII. Required Attachments
Submit a copy of the following with your NOI:
-an updated map showing your MS4 boundaries
-a copy of your authorization under section 10 of ESA (if applicable) -application and permit fee or indicate if an invoice is needed

VIII. Reporting Period for Annual Report
Indicate which reporting period your MS4 will be using for the annual report.

IX. Certification
The NOI must be signed by the responsible party as described below:
For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; for limited liability companies (LLC), by an owner/managing member/partner;
For a municipality, state, federal, or other public facility: by either a principal executive officer or ranking elected official.

Where to File the NOI form:
Completed NOIs must be submitted to the following address:
Water Quality Division
Municipal Discharge & Stormwater Permitting Section
Oklahoma DEQ
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

Or fax it to: (405) 702-8101
Or email to: ms4permitting@deq.ok.gov

An NOI that is unsigned, incomplete, or does not have the required attachments will not be processed for permit coverage.

Appendix E
2022 Annual Report

City of Midwest City

OKR04 Annual Report

Reporting Period of 01/01/2022 to 12/31/2022

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Table of Contents pg

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Check box if this is a new name, address, etc.

Permittee Information

1. Permittee (Agency Name): City of Midwest City ☐
2. Contact Person: Carrie Evenson, Assistant Public Works Director ☒
3. Mailing Address: 8730 S.E. 15th St. ☐
4. City, State and Zip Code: Midwest City, Oklahoma 73110 ☐
5. Contact Phone Number: (405) 739-1062 ☐
6. Authorization #: OKR040011
7. Have any areas been added to the MS4 due to annexation or other legal means?

YES ☐ NO ☒

Section 1: Compliance Status

1.1 Executive Summary

The 2022 Phase II MS4 Annual Report for the City of Midwest City (City) is submitted as required by Part VI.C. of the Oklahoma Department of Environmental Quality (DEQ) Phase II Municipal Separate Storm Sewer System (MS4) General Permit, OKR04, Authorization No. OKR040011, and covers the reporting period of January 1, 2022, through December 31, 2022. As part of these requirements, the City conducted an assessment of permit compliance, including an assessment of the appropriateness of Best Management Practices (BMPs), progress toward the goal of reducing the discharge of pollutants, and achieving measurable goals for each Minimum Control Measure (MCM). The City's assessment indicates that it is in compliance with permit requirements.

On November 7, 2005, the City received Authorization No. OKR040011. General Permit OKR04 expired on February 9, 2010, but was administratively continued until its reauthorization on November 1, 2015. A Notice of Intent (NOI) and other permit application material were submitted as part of the OKR04 application on January 29, 2016. On March 8, 2018, the City received a renewed Authorization No. OKR040011. OKR04 was reissued and became effective on June 1, 2021. On September 17, 2021, the City received a renewed Authorization No. OKR040011.

Some of the major accomplishments during the CY 2022 reporting period include removing pollutants from the MS4 through educating the public on the importance of stormwater pollution prevention through public clean-up events, meetings, and discussions; dry weather field screening; operation of a Household Hazardous Waste facility; inspections of construction sites and municipal facilities; street sweeping; infrastructure maintenance; and spill response.

The City's Stormwater Quality department held a volunteer clean up event along Bomber Trail on April 23rd for Earth Day. There were 19 participants and 30 bags of trash were collected. The City also held an e-waste, tire, metal and appliance collection event in conjunction with our annual Central Oklahoma Stormwater Alliance (COSWA) rain barrel distribution event. There were 50 participants with 97 tires and 2,943 pounds of e-waste collected. The Stormwater Quality department participated in 2 "Touch-a-Truck" events, one at the Midwest City YMCA and the other at Barnes Elementary, where stormwater pollution prevention and hazardous waste were discussed with the students in Pre-K through 5th grade. The City also participated in the annual Picnic with the Protectors and Public Works event where stormwater and household hazardous waste topics were discussed with the general public and city staff.

The City's stormwater inspectors conducted 362 inspections of 108 sites during the reporting period and issued 60 Notices of Violations (NOV). Thirty-eight (38) permits, consisting of fifteen (15) Construction Stormwater Discharge permits and twenty-three (23) Land Disturbing permits, were issued in 2022.

OKR04 requires that permittees review the SWMP and revise, update, or develop new BMPs and measureable goals to meet permit requirements within two (2) years of the effective date of the permit and then as needed. During the next reporting period, all BMPs and measureable goals will be reviewed, updated, and/or enhanced as necessary to meet permit requirements. Both the SWMP and Annual Report format will be updated to reflect these changes.

1.2 BMP Implementation and Evaluation

The City considers the current BMPs to be appropriate and effective during this reporting period. Evaluation of the BMPs is on-going, and if any are found to be no longer effective or appropriate, the BMP will be amended, deleted and/or replaced.

An assessment of the BMPs currently being implemented by the City is presented in the tables in Section 1.3.

1.3 MCM Measurable Goals

Progress in achieving the measurable goals for each BMP of the six MCMs is presented in the following tables:

1.3.1 MCM #1 Public Education BMPs

#	BMP	Goal	Frequency	Comments	Completion Status	Repeat in 2023
1	Distribute brochures to homeowners: household pollution control.	50 each type	Annually	Midwest City distributed 1,928 informational brochures and factsheets in 2022; however, the 50 items of each type goal was not met.	☐Yes ☒Partial ☐No	☐Yes ☒Yes, with modification ☐No
2	Distribute brochures to retailers: proper use and disposal of chemical products.	25 each type	Annually	Brochures were available but were not directly delivered to retailers.	☐Yes ☒Partial ☐No	☐Yes ☒Yes, with modification ☐No
3	Distribute brochures to restaurants: proper disposal of wastes and chemicals	20 each type	Annually	Brochures were available but were not directly delivered to restaurants.	☐Yes ☒Partial ☐No	☐Yes ☒Yes, with modification ☐No
4	Distribute door hangers about local watershed pollution prevention.	25 hangers	Annually	Midwest City delivered 16 door hangers or pamphlets. More serious infractions received Notice of Violations	☐Yes ☒Partial ☐No	☒Yes ☐Yes, with modification ☐No
5	Distribute brochure to encourage citizens to use proper chemical disposal methods.	25 brochures	Annually	Midwest City distributed 209 brochures and fact sheets about household hazardous waste (HHW) and proper chemical disposal methods.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
6	Distribute brochures to local businesses on improper waste disposal.	25 brochures	Annually	Brochures were available but were not directly delivered to businesses	☐Yes ☒Partial ☐No	☒Yes ☐Yes, with modification ☐No
7	Implement a local incentives-based program to encourage developers to use LID.*	Strategy, code changes		Midwest City is currently researching way to implement an incentives-based program to encourage use of green infrastructure.	☐Yes ☐Partial ☒No	☒Yes ☐Yes, with modification ☐No
8	Implement program to receive information from the public on construction site pollution.	Procedures, forms		Residents can report construction site pollution or other stormwater-related issues through the City website, by email, or by telephone.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
9	Discuss Phase II MS4 program at public meetings	Participate in one public meeting annually	Annually	Phase II MS4 program was discussed at multiple meetings.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
10	Implement a comprehensive bacteria 303(d) pollutant reduction plan as defined in OKR04 Part III.A.1.g.	Strategy, guidance		See Section 3	☐Yes ☒Partial ☐No	☒Yes ☐Yes, with modification ☐No
11	Radio and/or TV ad by COSWA	1 radio or TV PSA	Annually	COSWA ran a radio ad campaign from May 16 to July 10 that had 1,043,900 impressions.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification

						☐No
12	Run video on urban stormwater protection on local cable access TV channel.	1 video	Annually	Midwest City has obtained 38 videos from Green Shortz that are available on our webpage and Channel 20.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
13	Promote use of curbside recycling.	25 brochures	Annually	Curbside recycling flyers were distributed to all 19,300 residential customers as inserts in the June 2022 utility bills.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
14	Midwest City newsletter	Create and place at least one article in newsletter every year	Annually	Stormwater Quality submitted an article to each of the quarterly newsletters in 2022.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
15	Midwest City Tree Board	Arbor Day celebration & quarterly tree board meetings	Annually	Midwest City Tree Board met in January, April, July, and November of 2022, and gave away 200 trees for Arbor Day.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
16	Develop and maintain Stormwater webpage	Update website as necessary	As needed	The Stormwater Quality webpages are updated as needed.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
17	Posters and signs for community education	Develop / obtain one poster and / or sign and post @ two locations		Midwest City has 8 posters displayed at City Hall, Charles Johnson Building and the Library.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
18	Place street signs about watershed protection at local stream crossings.	2 new signs	Annually	Midwest City has purchased and installed a total of 32 signs at creek crossings on arterial streets.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
19	Household Hazardous Waste Program	Make facility available twice weekly throughout the year	Annually	The HHW facility was open 145 days during 2022. There were 1,107 drop-offs and 83,818 pounds of HHW collected.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
20	Free promotional Items	Distribute item at one local City event each year.	Annually	Stormwater Quality participated in two Touch-a-Truck events and a Picnic with Protectors and Public Works event where promotional items were distributed.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
21	Conduct storm drain marking that addresses waste dumping into inlets.	20 storm drains	Annually	All of Midwest City's storm drains have been marked. Storm drain markers are replaced as necessary.	☒Yes ☐Partial ☐No	☐Yes ☒Yes, with modification ☐No
22	Display board for public meetings or events	Display at one local event every year and continuously at a City building	Annually	Stormwater Quality set up a display at two Touch-a-Truck events and a Picnic with Protectors and Public Works event. There is also a permanent display located in the Charles Johnson building.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
23	Stormwater Education Program for Schools	One presentation annually	Annually	Stormwater Quality discussed HHW and proper chemical disposal with school-aged children during two Touch-a-Truck events, one at the Midwest City YMCA and one at Barnes Elementary.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No

1.3.2 MCM#2 Public Participation BMPs

#	BMP	Goal	Frequency	Comments	Completion Status	Repeat in 2023
1	Distribute brochures to homeowners: household pollution control.	50 each type	Annually	Midwest City distributed 1,928 informational brochures and factsheets in 2022; however, the 50 items of each type goal was not met.	☐Yes ☒Partial ☐No	☐Yes ☒Yes, with modification ☐No
2	Distribute brochures to retailers: proper use and disposal of chemical products.	25 each type	Annually	Brochures were available but were not directly delivered to retailers	☐Yes ☒Partial ☐No	☐Yes ☒Yes, with modification ☐No
3	Distribute brochures to restaurants: proper disposal of wastes and chemicals	20 each type	Annually	Brochures were available but were not directly delivered to restaurants	☐Yes ☒Partial ☐No	☐Yes ☒Yes, with modification ☐No
4	Distribute door hangers about local watershed pollution prevention.	25 hangers	Annually	Midwest City delivered 16 door hangers or pamphlets. More serious infractions received Notice of Violations	☐Yes ☒Partial ☐No	☒Yes ☐Yes, with modification ☐No
5	Distribute brochure to encourage citizens to use proper chemical disposal methods.	25 brochures	Annually	Midwest City distributed 209 brochures and fact sheets about HHW and proper disposal methods.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
6	Distribute brochures to local businesses on improper waste disposal.	25 brochures	Annually	Brochures were available but were not directly delivered to businesses	☐Yes ☒Partial ☐No	☒Yes ☐Yes, with modification ☐No
8	Implement program to receive information from the public on construction site pollution.	Procedures, forms		Residents can report construction site pollution and other stormwater-related concerns via the website, by email or by telephone.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
10	Implement a comprehensive bacteria 303(d) pollutant reduction plan as defined in OKR04 Part III.A.1.g.	Strategy, guidance		See Section 3	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
13	Promote use of curbside recycling.	25 brochures	Annually	Curbside recycling flyers were distributed to all 19,300 residential customers as inserts in the June 2022 utility bills.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
15	Midwest City Tree Board	Arbor Day celebration & quarterly tree board meetings	Annually	Midwest City Tree Board met in January, April, July, and November of 2022, and gave away 200 trees for Arbor Day.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
19	Household Hazardous Waste Program	Make facility available twice weekly throughout the year	Annually	The HHW facility was open 145 days during 2022. There were 1,107 drop-offs and 83,818 pounds of HHW collected.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☒No
21	Conduct storm drain marking that addresses waste dumping into inlets.	20 storm drains	Annually	All of Midwest City's storm drains have been marked. Storm drain markers are replaced as necessary.	☐Yes ☒Partial ☐No	☐Yes ☒Yes, with modification ☐No
24	Comply with all state and local public notification requirements.	Compliance for all legal notices		Midwest City complies with all state and local public notification requirements.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
25	Make SWMP available to the public, and assist with notifications by ODEQ as needed.	Available regular office hours		The SWMP can be viewed at the Stormwater Quality offices upon request.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No

26	Take advice from citizens and businesses during public meeting presentations.	At least one annual meeting agenda	Annually	Input from citizens and businesses is encouraged at City Council meetings and other public meetings.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
27	Implement program to receive pollution and spill episode information from the public.	10 reports	Annually	Midwest City investigated 43 complaints regarding potential stormwater pollution and/or spills.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
28	Trash and solid waste collection program	Use lidded carts for trash collection & offer four free dumps per year per household		All Midwest City residential polycarts have lids. Quarterly curbside bulk pickup is available to all residents.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
29	Adopt-A-Street program	Collect one bag of trash	Annually	The Adopt-a-Street program is currently being expanded to include storm drains, parks and other adoptable locations and will be called Adopt-a-Spot. While the Adopt-a-Spot program is being developed, Adopt-a-Street activities are occurring on a limited basis.	☒Yes ☐Partial ☐No	☐Yes ☒Yes, with modification ☐No

1.3.3 MCM # 3 Illicit Discharge Detection and Elimination

#	BMP	Goal	Frequency	Comments	Completion Status	Repeat in 2023
5	Distribute brochure to encourage citizens to use proper chemical disposal methods.	25 brochures	Annually	Midwest City distributed 209 brochures and fact sheets about HHW and proper disposal methods.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
6	Distribute brochures to local businesses on improper waste disposal.	25 brochures	Annually	Brochures were available but were not directly delivered to businesses	☐Yes ☒Partial ☐No	☒Yes ☐Yes, with modification ☐No
8	Implement program to receive information from the public on construction site pollution.	Procedures, forms		Residents can report construction site pollution and other stormwater-related concerns via the website, by email or by telephone.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
10	Implement a comprehensive bacteria 303(d) pollutant reduction plan as defined in OKR04 Part III.A.1.g.	Strategy, guidance		See Section 3	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
13	Promote use of curbside recycling.	25 brochures	Annually	Curbside recycling flyers were distributed to all 19,300 residential customers as inserts in the June 2022 utility bills.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
19	Household Hazardous Waste Program	Make facility available twice weekly throughout the year	Annually	The HHW facility was open 145 days during 2022. There were 1,107 drop-offs and 83,818 pounds of HHW collected.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
21	Conduct storm drain marking that addresses waste dumping into inlets.	20 storm drains	Annually	All of Midwest City's storm drains have been marked. Storm drain markers are replaced as necessary.	☐Yes ☒Partial ☐No	☐Yes ☒Yes, with modification ☐No
27	Implement program to receive pollution and spill episode information from the public.	10 reports	Annually	Midwest City investigated 43 complaints regarding potential stormwater pollution and/or spills.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No

28	Trash and solid waste collection program	Use lidded carts for trash collection & offer four free dumps per year per household		All Midwest City residential polycarts have lids. Quarterly curbside bulk pickup is available to all residents.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
29	Adopt-A-Street program	Collect one bag of trash	Annually	The Adopt-a-Street program is currently being expanded to include storm drains, parks and other adoptable locations and will be called Adopt-a-Spot. While the Adopt-a-Spot program is being developed, Adopt-a-Street activities are occurring on a limited basis.	☒Yes ☐Partial ☐No	☐Yes ☒Yes, with modification ☐No
30	Train city field workers to inspect for, identify and report pollution.	Number of Training Sessions	Annually	Five (5) training sessions were held	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
31	Coordinate with other city departments on performing site inspections and employee training.	1 Training Sessions	Annually	Five (5) training sessions were held	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
32	Develop an MS4 system map showing outfalls, Waters of the State and MS4 structures.	Map and data updated annually	Annually	The MS4 system map is updated annually as new infrastructure is installed.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
33	Develop 303(d) priority areas for pollution source inspections and update as needed.	Create and updated annually	Annually	All of Midwest City is in the watershed of a 303d listed stream.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
34	Adopt and periodically update an IDDE ordinance or local code to control pollution.	Adopt, update		Ordinance was passed in 2002, and last updated in 2012.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
35	Adopt and update a construction ordinance or local code to control pollution.	Adopt, update		Ordinance was passed in 2002, and last updated in 2012.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
36	Control pollution from on-site sewage disposal systems that may flow into the MS4.	Describe and map	Annually	A map of all possible onsite sewage disposal systems has been created. There are 1,494 potential sites.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
37	Control pollution from sanitary sewer overflows and bypasses.	Estimate 2 events	Annually	Twenty (20) bypasses were reported to DEQ in 2022. The Line Maintenance Division of Public Works investigates, remediates, and eliminates sanitary sewer overflows.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
38	Implement a floatable trash and debris removal program for local streams and MS4.	1 dump truck load	Annually	Midwest City has a floatable collection system on the Town Center detention pond. The bags are changed quarterly, and each bag contains roughly a dump truck load of trash and debris.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
39	Implement operation and maintenance (O&M) program for structural and non-structural stormwater controls.	Strategy, guidance		Midwest City inspected 214 private structural stormwater controls in 2022.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
40	Identify significant non-stormwater discharges of 303(d) pollutants.	Strategy, guidance			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
41	Maintain a list of occasional incidental non-stormwater discharges.	Strategy, guidance			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No

42	Implement incentive program for developers to use green building techniques.	Strategy, guidance		Midwest City is currently researching way to implement an incentives-based program to encourage use of green infrastructure.	☐Yes ☐Partial ☒No	☒Yes ☐Yes, with modification ☐No
43	Implement program to address construction less than 1 acre disturbance.	Strategy, code changes		Midwest City regulates all construction activities that disturb less than an acre.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
44	Develop requirements for construction site operators to implement sediment and erosion BMPs.	Strategy, guidance		All construction sites in Midwest City are required to install sediment and erosion controls.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
45	Develop requirements for construction site operators to control wastes at sites.	Strategy, guidance		All construction sites in Midwest City are required to have trash containers to control waste material generated onsite.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
46	Implement a Spill Response and Prevention Plan for spills within the MS4.	Strategy, document		A spill response plan has been developed and implemented.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
47	Conduct pollutant source inspections in 303(d) high priority areas.	Estimate 5 / year	Annually	Forty-three (43) pollutant source inspections were performed.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
48	Implement a construction site inspection and enforcement program.	Estimate 25 / year	Annually	Three hundred and sixty-two (362) construction site inspections were performed, and 60 Notices of Violation and 12 Citations were issued during the reporting period.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
49	Implement a Dry Weather Field Screening (DWFS) inspection program.	1 inspection of all outfalls	Annually	Two hundred and two (202) DWFS inspections were performed. These inspections identified 19 sites with flow. Of these 19 sites, 17 were found to be groundwater or irrigation water and 2 were water main breaks.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
50	Implement a source tracking inspection and enforcement program.	Estimate 5 events	Annually	DWFS inspections identified 19 sites with flow. Of these 19 sites, 17 were found to be groundwater or irrigation water and 2 were water main breaks.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
51	Street sweeping	Sweep at least five miles of street.	Annually	Midwest City has one active street sweeper that operates on a regular basis throughout the year. While technical difficulties prevented the tracking of the number of lane miles swept in 2022, disposal records indicated that approximately 7,240 tons of material were removed from the MS4 system by the street sweeper.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
52	Collect regional and local pollution data	6 sampling events	Annually	Stormwater Quality conducted 37 sampling events to collect local pollution data during the reporting period.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
53	Signs for city work areas	Create and post at least one sign for an applicable municipal operation every permit year.	Annually	Signs were created and posted for the City's glass and cardboard recycling areas.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No

1.3.4 MCM # 4 Construction Site Stormwater Run-off Control

#	BMP	Goal	Frequency	Comments	Completion Status	Repeat in 2023
8	Implement program to receive information from the public on construction site pollution.	Procedures, forms		Residents can report construction site pollution and other stormwater-related concerns via the website, by email or by telephone.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
35	Adopt and update a construction ordinance or local code to control pollution.	Adopt, update		Ordinance was passed in 2002, and last updated in 2012.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
42	Implement incentive program for developers to use green building techniques.	Strategy, guidance		Midwest City is currently researching way to implement an incentives-based program to encourage use of green infrastructure.	☐Yes ☐Partial ☒No	☒Yes ☐Yes, with modification ☐No
43	Implement program to address construction less than 1 acre disturbance.	Strategy, code changes		All construction sites in Midwest City are required to install sediment and erosion controls.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
44	Develop requirements for construction site operators to implement sediment and erosion BMPs.	Strategy, guidance		All construction sites in Midwest City are required to install sediment and erosion controls.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
45	Develop requirements for construction site operators to control wastes at sites.	Strategy, guidance		All construction sites in Midwest City are required to have trash containers to control wastes generated onsite.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
48	Implement a construction site inspection and enforcement program.	Estimate 25 / year	Annually	Stormwater Quality conducted 362 construction site inspections and issued 60 Notices of Violation and 12 Citations during the reporting period.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
54	Implement a local incentives-based program to encourage developers to use LID.*	Strategy, code changes		Midwest City is currently researching way to implement an incentives-based program to encourage use of green infrastructure.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
55	Require use of structural BMPs, such as for filtration and storage, for city-owned projects.	Strategy, code changes		BMPs are required for City projects.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
56	Implement inspection and maintenance program for municipal LID projects.	Estimate 10 / year	Annually	BMPs are required for City projects.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
57	Implement inspection and enforcement program for non-municipal LID projects.	Estimate 5 / year	Annually	Midwest City inspected 214 private structural stormwater controls in 2022.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
58	Site plan review	Number of site plans reviewed	Annually	Stormwater Quality reviewed 38 construction site plans during the reporting period.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No

1.3.5 MCM # 5 Post-Construction Stormwater Management

#	BMP	Goal	Frequency	Comments	Completion Status	Repeat in 2023
39	Implement operation and maintenance (O&M) program for structural and	Strategy, guidance		Midwest City inspected 214 private structural stormwater controls in 2022.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification

	non-structural stormwater controls.					☐No
54	Implement a local incentives-based program to encourage developers to use LID.*	Strategy, code changes		Midwest City is currently researching way to implement an incentives-based program to encourage use of green infrastructure.	☐Yes ☐Partial ☒No	☒Yes ☐Yes, with modification ☐No
55	Require use of structural BMPs, such as for filtration and storage, for city-owned projects.	Strategy, code changes		BMPs are required for City projects.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
56	Implement inspection and maintenance program for municipal LID projects.	Estimate 10 / year	Annually	Twenty-four (24) Municipal LID inspections were performed.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
57	Implement inspection and enforcement program for non-municipal LID projects.	Estimate 5 / year	Annually	Midwest City inspected 214 private structural stormwater controls in 2022.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
58	Site plan review	Number of site plans reviewed	Annually	Stormwater Quality reviewed 38 construction site plans during the reporting period.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
59	Adopt and update a post-construction ordinance or local code for post-construction runoff.	Adopt, update		A post-construction ordinance has been passed.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
60	Review local codes; identify barriers to LID; remove them and justify those not removed.	Strategy, code changes		Codes have been reviewed for barriers.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
61	Adopt local codes that allow implementation of local LID practices.	Strategy, code changes			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
62	Modify local codes for street design and parking lots to support LID and reduce impervious cover.	Strategy, code changes			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
63	Inventory impervious areas and assess areas for potential retrofitting to reduce flows.	Strategy, inventory			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
64	Develop standards to direct growth away from sensitive areas and to increase open space.	Strategy, guidance			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
65	Develop procedures for inspection and maintenance of catch basins, streets, parking lots, etc.	Procedures, forms			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No

1.3.6 MCM # 6 Good Housekeeping

#	BMP	Goal	Frequency	Comments	Completion Status	Repeat in 2023
30	Train city field workers to inspect for, identify and report pollution.	Number of Training Sessions	Annually	Five (5) training sessions were held	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
31	Coordinate with other city departments on performing	Number of Training Sessions	Annually	Five (5) training sessions were held	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification

	site inspections and employee training.					☐No
39	Implement operation and maintenance (O&M) program for structural and non-structural stormwater controls.	Strategy, guidance		Midwest City inspected 214 private structural stormwater controls in 2022.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
46	Implement a Spill Response and Prevention Plan for spills within the MS4.	Strategy, document		A spill response plan has been developed.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
51	Street sweeping	Sweep at least five miles of street.	Annually	Midwest City has one active street sweeper that operates on a regular basis throughout the year. While technical difficulties prevented the tracking of the number of lane miles swept in 2022, disposal records indicated that approximately 7,240 tons of material were removed from the MS4 system by the street sweeper.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
53	Signs for city work areas	Create and post at least one sign for an applicable municipal operation every permit year.	Annually	Signs were created and posted for the City's glass and cardboard recycling areas.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
55	Require use of structural BMPs, such as for filtration and storage, for city-owned projects.	Strategy, code changes		BMPs are required for City projects.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
56	Implement inspection and maintenance program for municipal LID projects.	Estimate 10 / year	Annually	Twenty-four (24) municipal LID inspections were performed.	☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
65	Develop procedures for inspection and maintenance of catch basins, streets, parking lots, etc.	Procedures, forms			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
66	Assess existing flood management projects to see if additional protection is needed (per OKR04 Part III).	Strategy, guidance			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
67	Develop procedures for controlling pollution from streets, storage areas and other city facilities.	Strategy, guidance			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
68	Develop an inventory of all MS4 operations subject to OKR04 and update as needed.				☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
69	Develop procedures for proper use, storage and disposal of chemicals at municipal facilities.	Strategy, guidance			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
70	Develop procedures for storage and maintenance of city vehicles and equipment.	Strategy, guidance			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No
71	Implement inspection and maintenance program of city facilities' structural and nonstructural BMPs.	Strategy, guidance			☒Yes ☐Partial ☐No	☒Yes ☐Yes, with modification ☐No

Section 2: Information/Activities

2.1 CY 2022 Reporting Cycle

2.1.1 MCM #1 Public Education and Outreach and MCM #2 Public Participation and Involvement

The City hosts and attends several public education and outreach events throughout the year. Some of the ways stormwater messages are provided to Midwest City residents include utility bill inserts, newspaper ads, public meetings, Council meetings, social media, and public events like the Bomber Trail Clean-up Event, Home and Garden Show, and COSWA Rain Barrel Promotion distribution event and workshop. Staff is always excited and eager to educate the public about pollution prevention generally and stormwater pollution prevention specifically and actively look for new and impactful ways to get messaging across to targeted and general audiences.

During this reporting period, the City held one community clean-up event along the Bomber Trail, which stretches along the railroad track from Mid-Del Vo-Tech to Midwest Blvd. There were 19 participants and 40 bags of trash were collected. Midwest City also held a Metal, Electronic, and Tire collection event. There were 50 participants, and 2,942 pounds of e-waste was collected along with 97 tires. This event was held on the same day that our COSWA rain barrel distribution event occurred. In total, 52 rain barrels were purchased and distributed as part of this event. The City also held two Touch-A-Truck events, one at the Midwest City YMCA and the other at Barnes Elementary. These events allowed elementary school children a chance to view and explore many of the vehicles that Public Works operates. At both events, Stormwater Quality set up a household hazardous waste sorting game for the kids and discussed ways to prevent stormwater pollution. Stormwater Quality also gave out educational materials and answered questions from Midwest City residents at the annual Picnic with Protectors and Public Works event hosted by the Midwest City Chamber of Commerce. This event was open to the general public and city staff, allowing them to view the many pieces of equipment used by police, fire and public works.

2.1.2 MCM #3 Illicit Discharge Detection and Elimination

The City's Illicit Discharge Detection and Elimination Program primarily consists of dry weather field screening, responding to citizen complaints, and addressing spills or leaks that have the potential to enter the storm sewer system.

The City has identified two hundred and two (202) outfalls for dry weather field screening. All outfalls were inspected during the reporting period. Outfall inspection forms were completed and photos taken at each outfall. No illicit discharges were identified during 2022 as a result of these activities; however, 2 water main breaks were discovered and eliminated.

In 2022, Midwest City investigated forty-three (43) IDDE complaints. These complaints came directly from citizens, through the City's webpage, or by referral from other City staff or Council members. All complaints receive an initial investigation to verify the report and determine if Stormwater Quality has jurisdiction over the issue. Those not regulated by Stormwater Quality are referred to the appropriate department and/or State agency for further investigation. Of the complaints received, seventeen (17) were related to grass clipping violations, two (2) were unable to be confirmed, twenty-four (24) were issued Notices of Violation, and one resulted in a citation.

2.1.3 MCM #4 Construction Site Run-Off Control

The City's Construction Site Run-Off Control program requires all non-single family residential construction projects to obtain a Land Disturbing and Construction Stormwater Discharge permit,

regardless of size. A Land Disturbing permit is also required for all demolition projects and earth moving activities under an acre. These sites are typically inspected monthly for compliance with Midwest City Code Section 43-439 and OKR10. Enforcement escalation procedures are in place for any continued non-compliance. Below is a summary of the activities conducted in 2022:

Permits Issued:

Construction Stormwater Discharge and Land Disturbing – 15

Land Disturbing – 23

Construction Site Inspections:

Total number of inspections performed – 330

Total number of open sites at the end of 2022– 52

Construction Site Enforcement:

Notice of Violation issued – 60

Citations issued – 12

2.1.4 MCM #5 Post Construction Stormwater Management

Midwest City Stormwater Quality promotes LID and green infrastructure and is continuing to research ways modify the existing stormwater utility fee from a water meter size based fee structure to an impervious surface area based fee structure. Midwest City has also partnered annually with COSWA to offer discounted rain barrels to the public. In 2022, 52 rain barrels were purchased during the City's distribution event. Midwest City also inspected all 214 detention/retention ponds within city limits.

2.1.5 MCM #6 Municipal Good Housekeeping

As part of the Municipal Good Housekeeping Program, the City's goal is to address potential pollution sources at municipal maintenance facilities. This includes training municipal employees on topics such as spill prevention and response and general good housekeeping measures. One major activity that occurs as part of the Municipal Good Housekeeping Program is street sweeping. The City currently operates one (1) vacuum sweeper on an as needed basis. During the reporting period, approximately 7,240 tons of material were removed from the MS4 system.

During CY 2022, stormwater training was provided to various City departments. The Employee Newsletter was also used throughout the reporting period to educate personnel on stormwater issues. Advertisements for the rain barrel promotion and clean-up events, as well as general information about stormwater quality, household hazardous waste disposal options, and reporting illicit discharges were placed in the newsletter.

2.2. Next Reporting Cycle

The next reporting period will include data from January 1, 2023, through December 31, 2023, and will encompass the reauthorized permit requirements. The Annual Report covering that period will be submitted on or before April 30, 2024. Recurring BMPs will be continued, enhancements will be investigated, and additional permit requirements will be identified for program development.

2.3 Proposed Changes

Under the reauthorized Phase II MS4 General Permit, OKR04, which became effective on June 1, 2021, the City is now considered a Category 3 MS4. As such, the City will be required to develop and implement an industrial stormwater runoff control program. In addition, OKR04 requires that permittees review the SWMP and revise, update, or develop new BMPs and measureable goals to meet permit requirements within two (2) years of the effective date of the permit and then as needed. During the next reporting period, all BMPs and measureable goals will be reviewed, updated, and/or enhanced as necessary to meet permit requirements and an industrial stormwater runoff control program will be developed. Both the SWMP and Annual Report format will be updated to reflect these changes. Examples of changes to BMPs that will be included in this update are listed below:

- The minimum goal for the next reporting cycle for BMPs 1, 2, and 3 will be changed from 50 of each type to 100 combined. Midwest City's list of educational materials has become numerous and diverse, and distributing 50 of each type is not feasible.
- The minimum goal for the next reporting cycle for BMP 21 will be changed. All of Midwest City's storm drains have been marked. Storm drain markers will be checked for replacement, as necessary, and new ones will be marked, but no minimum goal can be set.
- The Adopt-A-Street program in BMP 29 is undergoing a rebranding into an Adopt-A-Spot program. This BMP will be updated when details of that program are finalized.

Section 3: BMPs to Address Bacteria 303(d) Waters

Crutcho Creek (WBID 520520000070_00) is a listed 303d waterbody for bacteria. Crutcho Creek is also included in the North Canadian River TMDL. The following BMPs have been selected to address the impairment:

Category 1: Sanitary Sewer Systems				
BMP	Goal	Frequency	Comments	Completion Status
Camera inspection of sewer lines	Inspect 1,000 feet per year of lines 12" or greater	Annually	Midwest City has a dedicated camera truck and an SL-RAT team that inspect sanitary sewer lines regularly.	☒Yes ☐Partial ☐No
Repair and replace breaks in sewer lines		Continuously as needed.	Line Maintenance responds to sewer leaks and overflows within 30 minutes.	☒Yes ☐Partial ☐No
Inspect all lift stations		Annually	Midwest City inspects its lift stations at least weekly. All stations have alarms that notify operators if there is a problem.	☒Yes ☐Partial ☐No
Assess structure, function, and capacity of lift stations		Every 5 years		☒Yes ☐Partial ☐No
Annual training of Line Maintenance staff on reporting sewer bypasses and upsets		Annually		☒Yes ☐Partial ☐No
Update sewer spill response equipment and supplies		As needed		☒Yes ☐Partial ☐No
Annual training of sewer spill response employees		Annually		☒Yes ☐Partial ☐No
Category 2: On-Site Sewage Facilities (OSSFs)				
Distribute OSSF operation brochure to residential properties			Midwest City is still working to develop a list and confirm the location of OSSFs.	☐Yes ☒Partial ☐No
Inspect MS4 for evidence of bypasses from OSSFs			Midwest City investigates any discharge referred to or discovered during DWFS.	☒Yes ☐Partial ☐No
Distribute OSSF maintenance brochure to residential properties			Midwest City is still working to develop a list and confirm the location of OSSFs.	☐Yes ☒Partial ☐No
Post an OSSF maintenance information page on city stormwater website			Midwest City has had detailed information about maintenance of traditional and aerobic septic systems available on the City website for several years.	☒Yes ☐Partial ☐No
Category 3: Illicit Discharges and Dumping				
Distribute brochure on septic system maintenance.			Midwest City is still working to develop a list and confirm the location of OSSFs.	☐Yes ☒Partial ☐No
Distribute brochure on grease trap cleaning and maintenance.			Midwest City's Pretreatment group distributed 30 FOG posters to businesses with grease interceptors in 2022.	☒Yes ☐Partial ☐No
Distribute brochure on grit trap cleaning and maintenance.			Midwest City's Pretreatment group did not inspect or visit any businesses with sand/oil separators in 2022.	☐Yes ☐Partial ☒No
Inspect grease and grit traps at local businesses.			Midwest City's Pretreatment group conducted 531 inspections of businesses with grease interceptors in 2022.	☒Yes ☐Partial ☐No

Category 4: Animal Sources				
Distribute pet waste door hangers to residential properties.			Stormwater Quality will distribute door hangers for animal wastes if discovered, but this is usually handled through Animal Control.	☒Yes ☐Partial ☐No
Distribute brochures on livestock waste management.			Stormwater Quality will distribute door hangers for animal wastes if discovered, but this is usually handled through Animal Control.	☒Yes ☐Partial ☐No
Inspect MS4-owned animal sale barns for proper waste management.			There are no MS4-owned animal sale barns in Midwest City.	☒Yes ☐Partial ☐No
Enforce pet waste ordinance.			Enforcement of the pet waste ordinance is handled through Animal Control.	☒Yes ☐Partial ☐No
Install and maintain “pooper-scooper” stations and signs in MS4-owned parks.			Midwest City has 22 pet waste stations in our city parks that are maintained by the Streets, Parks, Facilities, and Drainage Division of Public Works.	☒Yes ☐Partial ☐No
Category 5: Resident Education				
Place web page on MS4’s stormwater website about bacteria discharge types and amounts from residential properties either as direct discharge or in runoff.			Midwest City has had detailed information about maintenance of traditional and aerobic septic systems available on the City website for several years. Additional information on this specific topic will be added in the next reporting period.	☐Yes ☒Partial ☐No
Place web page on MS4’s stormwater website about bacteria contamination from sewer overflows caused by fats, oils and grease disposal to sewer lines.			Midwest City has had detailed information about maintenance of traditional and aerobic septic systems available on the City website for several years. Additional information on this specific topic will be added in the next reporting period.	☐Yes ☒Partial ☐No
Distribute brochure on bacteria contamination from residential decorative ponds.			Midwest City has had detailed information about maintenance of traditional and aerobic septic systems available on the City website for several years. Additional information on this specific topic will be added in the next reporting period.	☐Yes ☒Partial ☐No
Distribute pet waste door hangers to residential properties.			Pet waste door hangers are left whenever pet waste violations are discovered either through complaints or routine investigations. No pet waste violations were identified or reported in 2022.	☒Yes ☐Partial ☐No

Section 4: 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 gather and evaluate 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."

August 3, 2023

Signature | Date Signed

Carrie J. Evenson, Ph.D., PE, CFM | Assistant Public Works Director

Name (printed) | Title

Appendix F
2023 Annual Report

Appendix G
2024 Annual Report

Appendix H
2025 Annual Report

Appendix I
2026 Annual Report