



# City of Stillwater

## Phase II MS4 Annual Report

Reporting Period 1/1/2024 to 12/31/2024

**Phase II Small Municipal Separate Storm Sewer  
System (MS4) General Permit (OKR04)  
Authorization No. OKR040031  
September 8, 2021**

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**Reporting Period 1/1/2024 to 12/31/2024**

**Phase II Small Municipal Separate Storm Sewer System (MS4)**  
**General Permit (OKR04)**  
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## Section 1. Compliance Status

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### 1.1 Executive Summary

The 2024 Phase II MS4 Annual Report for the City of Stillwater (City) is submitted as required by Part V.C.1 of the Oklahoma Department of Environmental Quality Phase II Municipal Separate Storm Sewer System (MS4) General Permit, OKR04, Authorization No. OKR040031, and covers the reporting period of January 1, 2024, through December 31, 2024. 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.

In 2005, the City received Authorization No. OKR040031. General Permit OKR04 expired on February 8, 2010, but was administratively continued until its reauthorization, which became effective on November 1, 2015. A Notice of Intent (NOI) and other permit application material were submitted as part of the OKR04 application on January 27, 2016. On February 27, 2017, the City was notified by ODEQ that review of the NOI and supporting documentation had been completed. In anticipation of receiving the permit authorization, the City began implementing the BMPs as outlined in the permit application material submitted on January 27, 2016. The City submitted a Notice of Intent and supporting documentation on August 26, 2021, for the 2021 reauthorization and received the Authorization on September 8, 2021.

Major accomplishments during the 2024 reporting period include purchasing equipment and implementing a monthly water quality sampling program for the primary receiving waters within city limits, partnering with GRDA to hold a rain barrel workshop for the public, and participating in multiple educational activities such as youth adventure camps and a Conservation Fair held by the Payne County Conservation District. Routine activities included removing pollutants from the MS4 through street sweeping, spill response, and infrastructure maintenance as well as educating the public on the importance of stormwater pollution prevention through public clean-up events, meetings, group presentations, radio spots, and social media advertising.

During the City's Household Hazardous Waste Collection events, 10,498 pounds of waste were collected and properly disposed of. The annual Trash-Off, held on March 29, 2024, was a success with 145 participants removing 133 bags of collected trash and multiple large items. Throughout the reporting period, City crews cleared over 11,775 linear feet of drainage channels and removed debris and trash from 1,134 storm drain structures.

The major challenges encountered by the City of Stillwater during the 2024 reporting period were completing desired staff training for other departments due to conflicting schedules. Outreach efforts were successful for certain events, such as OSU student groups, some elementary school groups and Enviroscape presentations for two Adventure camps attended by over 100 elementary age children.

## 1.2 Overview of Program Implementation

The following table provides a brief overview of the past year's implementation activities. Additional details for each item are presented elsewhere in the Annual Report.

**Table 1. Stormwater Program Overview**

Annual Report Conditions	Description
Fiscal Year or Calendar Year	The City of Stillwater compiles program data and reports on a Calendar Year basis.
Governmental Entities Used	City of Stillwater, OK
Consultants, Organizations Used	Oklahoma Blue Thumb provided volunteer stream monitoring in 2024. Meshek & Associates has continued progress with an additional Capital Improvements Plan scheduled to be completed in August 2025..
SWMP Review	The SWMP was reviewed while preparing this Annual Report; minor changes were made based upon feedback from ODEQ for the BMP measurable goals.
Changes Planned for Next Year	No anticipated changes at this time.
Program Funding Sources	Stormwater fee pays for the majority of program costs. Grants and other City funding, when available, supplement additional program costs.
303(d) Impaired Waters	Stillwater Creek: Dissolved Oxygen, Benthic Macroinvertebrates, and Turbidity  Boomer Lake: Mercury, Chlorophyll-a, Dissolved Oxygen, and Turbidity.  Boomer Creek: Benthic Macroinvertebrates.  Sanborn-Hazen Lake Creek: Benthic Macroinvertebrates.  Cow Creek: Benthic Macroinvertebrates
TMDL Watersheds in MS4	There are no TMDL watersheds within the MS4 that were finalized and required MS4 actions during this reporting period.
Aquatic Resources of Concern (ARC) for Protected Species in MS4	The entire watershed lies within the Cimarron River Watershed, which is impaired for Turbidity, Lead, and Enterococcus. Most BMPs contribute to efforts to reduce turbidity levels. No portion of the MS4 lies within a designated ARC.
Outstanding Resource Waters (ORW) in MS4	There are no ORW waters within the MS4.

## 1.3 Status of Compliance with Permit Conditions: Item 1 in OKR04 Part V.C.1.a

The following list of Permit Conditions is taken from OKR04. The “Permit Conditions” represent all major areas of permit requirements that must be addressed in OKR04 compliance. The items labeled “MCM” are the six Minimum Control Measures, plus the optional 7<sup>th</sup> MCM for local construction projects. The status assigned to each of these Permit Conditions in Table 2 below is general; each of the MCMs is addressed in greater detail in Table 3, assessing BMPs.

**Table 2. Permit Conditions**

Permit Condition	Compliance Status	Future Actions Needed
Allowable Discharges	Reviewed list: no changes made.	City will continue to review annually each January or as needed.
Historic Preservation	No Section 106 Federal actions taken by MS4 this report cycle.	Will contact ODEQ if City is notified of any needed Section 106 reviews.
Endangered Species / Aquatic Resources of Concern (ARC)	No actions to protect endangered species were needed this report cycle.	MS4 will contact ODEQ if notified that actions must be taken to protect endangered species.
Co-Permittees	The City of Stillwater is not a co-permittee with another MS4.	No status change is expected.
Water Quality Standards (WQS)	The MS4 was not notified this report cycle of any WQS violations caused by stormwater discharges.	Will contact ODEQ upon any notification to develop a strategy to protect WQS.
303(d) Impaired Waters	Dissolved oxygen, pH, Turbidity and nutrient data was collected in this report cycle. MS4 mapping continued.	Funding has been approved to implement the Water Quality Monitoring Program in FY25 per the Stillwater Creek Watershed management Plan.
TMDL Compliance	There were no finalized TMDLs within the MS4 during this reporting cycle.	No status change is expected.
Outstanding Resource Waters (ORW)	The MS4 is not within an ORW watershed.	No status change is expected.
MCM-1: BMPs and Measurable Goals	100% successful implementation	Continue to update the City's website; add the City SWP3 to the Stormwater page.
MCM-2: BMPs and Measurable Goals	100% successful implementation	Industrial Inspection Program is implemented with inspections occurring with the City's pre-treatment program's inspections.
MCM-3: BMPs and Measurable Goals	100% successful implementation	Continued revisions to the MS4 map; continued DWFS. Annual review of priority areas by January 31.
MCM-4: BMPs and Measurable Goals	100% successful implementation	Continue to annually review standards by January 31; continue to complete routine inspections.
MCM-5: BMPs and Measurable Goals	100% successful implementation	Focused on Detention Pond maintenance and City owned flumes. Develop a map of facilities to be inspected by December 31, 2025
MCM-6: BMPs and Measurable Goals	100% successful implementation	Implement City employee training by March 2026.
MCM-7: Municipal Construction Projects	The City of Stillwater has elected to utilize this MCM. 100% successful implementation.	Update as needed and continue to use the developed template for each new municipal project.
SWMP Updates	Made changes to MCMs to comply with updated OKR04.	Reassess SWMP throughout year and update annually by January 31
ODEQ Enforcement Actions Against MS4	None this reporting cycle.	No actions anticipated
24 Hour Reporting of Pollution Events by MS4	No episodes to report this cycle	Will report episodes as needed

#### 1.4 BMP Implementation and Evaluation: Items 2 & 4 in OKR04 Part V.C.1.a

The following information in Table 3 assesses each Best Management Practice (BMP) for each of the six Minimum Control Measures (MCMs). Table 3 is divided into 6 sub-tables, one for each of the 6 MCMs. Also included in the sub-tables below is an assessment of meeting each of the Measurable Goals (M.G.s) assigned to each BMP. The BMPs are taken from Appendix A of the City of Stillwater's Stormwater Management Program (SWMP) document. Consult the SWMP for additional details about BMP implementation, responsible parties, implementation schedules, and procedures used to implement all BMPs. Changes to the measurable goals will be made for tracking BMP appropriateness and effectiveness for the 2025 reporting period based on potential 2025 SWMP recommendations received from ODEQ from the March 2025 program audit.

**Table 3a. Public Education and Involvement MCM - 1**

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
1	Public Service Announcements	3 social media announcements per year for various program activities.	Continued Annually	The goal was met in 2024. Informational graphics and marketing interviews regarding Stormwater management were placed on the City website as well as City social media pages. This BMP is effective in today's digital era.
2	Public Radio/Local TV Access	2 spots per year promoting program activities. Complete by December 31 <sup>st</sup> .	Continued Annually	The goal was met in 2024. 2 local radio spots were utilized to promote program activities.
3	Press Releases	2 Press Releases per year for various program activities. Complete by December 31 <sup>st</sup> .	Continued Annually	The goal was met in 2024. 4 Press releases were utilized to promote program activities.
4	Notice of Violation Door Hangers/ Informational Pamphlets (FOG)	Provide information door hangers/pamphlets to 100% of properties where specific pollutant sources are identified.	2022/Continued Annually As Needed	The goal was met in 2024. Door hangers were placed, primarily during the growing season for grass clippings. FOG pamphlets were delivered to multiple neighborhoods experiencing sanitary sewer overflows due to improper disposal methods.
5	City Website	Review and update website information once per year by December 31 <sup>st</sup> .	Continued Annually	The goal was met in 2024. The website continues to be updated as needed. Stormwater group meets with the communication department quarterly to review updates.
6	Staff Training: Topics to include industrial runoff, illicit discharges, construction runoff & post construction runoff	Provide training for one department per year.	Continued Annually	The goal was met in 2024, with training provided to the Engineering Department and Public Works staff. A stormwater course is set to be added to all staff training schedules by March 2026.

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
7	Development Training: Topics to include industrial runoff, illicit discharges, construction runoff & post construction runoff	Provide training once per year to Development Community/Contractors. Complete by December 31 <sup>st</sup> .	Continued Annually	The goal was met in 2024. Training occurred on an individual basis in the field on active sites, as well as presentations to the Chamber Infrastructure Committee.
8	Education Events: Topics to include illicit discharges, construction runoff & post construction runoff	Provide educational materials once per year.	Continued Annually	The goal was met in 2024. Staff attended and provided information at multiple events including two Nature Camps, middle school Career Day, County Conservation Fair, County Fair, OCLWA, and the county Home and Garden Show.
9	Annual Report, NOI, and SWMP Publication	Make the Annual Report Available to the Public on the Website each year. Previous year's report will be provided by June 15 each year.	Implementation in 2024	BMP was implemented in 2024 and continued annually.
10	Watershed Clean-up/Trash Removal Event	Once per year by April 30 <sup>th</sup> .	Continued Annually	The goal was met in 2024. The event held on March 29 <sup>th</sup> included 145 participants.
11	Household Hazardous Waste Collection Event	Once per year by December 31 <sup>st</sup> .	Continued Annually	The goal was met in 2024. Two events were held, collecting 10,498 lbs. of waste.
12	Council Meetings	Once per year by December 31st	Continued Annually	The goal was met in 2024. Stormwater topics were discussed.
13	Volunteer Water Quality Monitoring Support	6 Monitoring events per year	Continued Annually	The goal was met in 2024. 25 monitoring events took place across 5 locations.
14	Public Comments and Complaints	Review and respond to 100% of public comments and complaints	Continued Annually	The goal was met in 2024. Staff responded to 37 complaints/concerns relating to water quality/quantity in 2024.

**Table 3b. Industrial Stormwater Runoff Control MCM - 2**

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
15	OKR05 Permittee List	Review and update once per year by January 31 <sup>st</sup> .	Annually/2022	The goal was met in 2024. This BMP is effective at allowing staff to monitor active facilities and include facilities in the inspection rotation.
16	Ordinance Review	Review and update once per year by January 31 <sup>st</sup> .	Annually/2022	The goal was met in 2024. This BMP is effective at ensuring all facilities are currently meeting permit and code requirements. No changes were made in 2024
17	OKR05 Facility Inspection	Inspect 20% of OKR05 permitted facilities each year by December 31 <sup>st</sup> .	Annually/2022	The goal was met in 2024. This BMP is appropriate and effective as stormwater requirements are incorporated into the

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
				preexisting pretreatment inspections. No facility deficiencies were noted in 2024.
18	Development Plan Review	Review plans for 100% of new industrial developments for water quality impacts.	Continued Annually	The goal was met in 2024. All new development is reviewed through the City's internal TRAKIT program prior to building permits being issued.

**Table 3c. Illicit Discharge Detection and Elimination MCM - 3**

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
19	Ordinance Review	Review and update once per year by January 31 <sup>st</sup> .	Annually	The goal was met in 2024. No major ordinance changes were required.
20	MS4 GIS Discharge Mapping	Review and update once per year by December 31 <sup>st</sup> .	Annually	The goal was met in 2024. Mapping updates will be ongoing throughout 2025.
21	Dry Weather Field Screening	Inspect 40% of identified outfalls, and 100% of high priority outfalls by December 31 <sup>st</sup> .	Annually	This goal was met in 2024. This BMP is very effective in identifying illicit discharges. 100% of identified outfalls were inspected.
22	Enforcement for Erosion Control	Respond to 100% of identified discharges.	Annually	The goal was met in 2024. This BMP is very effective. 4 Notices of Violation were issued with no citations needed.
23	Enforcement for Yard Waste	Respond to 100% of identified discharges	Annually	The goal was met in 2024. This BMP is very effective. 100% of discharges were mitigated with 0 citations needed.
24	Enforcement for Trash, Fats, Oils & Grease Discharges	Respond to 100% of identified discharges	Annually	The goal was met in 2024. This BMP is very effective. 100% of identified discharges were mitigated without the need for enforcement.

**Table 3d. Construction Site Runoff Control MCM - 4**

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
25	Standard Erosion Control Plan Sheet	Review and update once per year by January 31st as needed	Continued Annually	The goal was met in 2024. No updates were made in 2024. This BMP is very effective for enhancing construction site control.
26	Standard Erosion Control Notes	Review and update once per year by January 31st as needed	Continued Annually	The goal was met in 2024. No updates were made in 2024. This BMP is very effective for enhancing construction site control.
27	Construction Site Stormwater Control Ordinances and Policies	Review and update once per year by January 31 <sup>st</sup> and as needed	Continued Annually	The goal was met in 2024. This BMP is very effective for enhancing construction site control. No updates were made in 2024.

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
28	Earth Change Permit Issuance for Sites Exceeding One Acre	Issue permits for 100% of sites that meet criteria	Continued Annually	The goal was met in 2024. This is an effective BMP to ensure that the City can track all construction sites.
29	Enforcement for Permit Violations	Respond to 100% of identified discharges	Continued Annually	The goal was met in 2024. This BMP is effective in ensuring that responsible parties are held accountable for permit requirements. 4 NOVs issued in 2024 with no further enforcement required.
30	Construction Site Stormwater Inspections	Inspect 100% of permitted sites once per month	Continued Annually	The goal was met in 2024. All permitted sites were inspected at least once per month.

**Table 3e. Post-Construction Site Runoff from New/Redevelopment MCM -5**

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
31	Maintain Permanent Post-Construction Policies	Review and update once per year by January 31 <sup>st</sup> and as needed	Continued Annually	The goal was met in 2024. Review of engineering and development regulations is ongoing. No updates were made in 2024.
32	Drainage Facility Maintenance Ordinances	Review and update once per year by January 31 <sup>st</sup> and as needed	Continued Annually	The goal was met in 2024. Ordinances were reviewed with no update needs identified.
33	Drainage Facility Inspection & Enforcement	Inspect 20% of permanent structures per year	Continued Annually	The goal was met in 2024. Approximately 25% of permanent structures were inspected and maintenance needs reported to the responsible parties.
34	Assess Street Design & Parking Lot Requirements	Review and update once per year by January 31 <sup>st</sup> and as needed	2024/ Annually	The goal was met in 2024. Design requirements were reviewed with no update identified.

**Table 3f. Pollution Prevention & Good Housekeeping MCM - 6**

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
35	Maintenance of Facility Spill Kits	Inspect and replenish once per year as needed by December 30 <sup>th</sup> .	Continued Annually	The goal met in 2024. Spill kits are checked during facility inspections and any deficiencies are provided to the facility Manager.
36	Municipal Facility Inspections subject to the OKR05, OPDES, or NPDES permit	Inspect each facility once per year by December 30 <sup>th</sup> .	Continued Annually	The goal was met in 2024. All Municipal Facilities were inspected with reports/action items provided to the facility manager.
37	Municipal Facility Inspections not subject to the OKR05, OPDES, or NPDES permit	Inspect each facility once per year by December 30th	Continued Annually	The goal was met in 2024. All Municipal Facilities were inspected with reports/action items provided to the facility.

BMP ID #	BMP	Goal	Frequency/ Implemented	Comments
38	O&M Policies for Maintaining MS4 Facilities	Review and update once per year by January 31st and as needed	Continued Annually	The goal was met in 2024. No changes were needed.
39	Street Sweeping Program	All streets are swept 4 times per year	Annually/2018	The goal was met in 2024. This is an excellent BMP for routine pollutant removal. All public streets were swept 4 times with additional sweepings called in as needed.

## 1.5 Pollutant Reduction

The City of Stillwater believes that BMPs currently implemented have resulted in a reduction in the discharge of pollutants to the storm sewer system. The effectiveness and efficiency of all current BMPs will be reviewed annually and used in the development of the Minimum Control Measure BMPs for future permit periods. Pollutant recovery/reduction activities are shown below.

**Table 4. Progress Towards Pollutant and Discharge Reductions**

Pollutant Reducing Program Activity	Measure of Pollutant Removal or Action
Spring & Fall Household Hazardous Waste Collection: May 4, 2024 & October 19, 2024	10,498 lbs. of unwanted chemicals and materials were collected and properly disposed of.
Trash-Off: March 30, 2024	79 volunteers removed 94 bags of trash, 4 shopping carts, and 3 truckloads of cardboard were collected and removed from the MS4.
Creek Channel Debris Clearing	Operations crews cleared debris from 11,775 linear feet of creeks and drainage channels.
Storm Drain Inlet Clearing	Operations crews removed debris and litter from 1,134 storm drain structures.
SSO Responses and Cleaning	Sanitary Operations crews responded to 11 SSO's and implemented City spill response and clean up procedures.
Salt and Sand Pile Maintenance	Salt continues to be covered by an all-weather enclosure. Crews maintained all sand piles. Salt laden runoff discharged from the enclosure due to dilapidated parts of the structure. A new barn continues to remain at the top of the list for capital improvements and is awaiting funding.
Chemical Storage	All chemicals were properly stored within protective enclosures. Routine monitoring ensured that storage procedures were followed.
Sewer Line Inspection	Camera crews inspected 58,195.5 linear feet of sewer line for maintenance.

<b>Pollutant Reducing Program Activity</b>	<b>Measure of Pollutant Removal or Action</b>
Street Sweeping	Street Sweeping crews swept 11,322 lane miles, removing 4,464 cubic yards of debris.
Citizen Education and Outreach	Staff presented educational materials regarding the City's FOG program, SSO presentations, Environmental Stewardship, Stormwater Management, and recycling presentations to groups including OSU graduate classes, middle school classes, and private organizations.

## Section 2. Information/Activities

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### 2.1 2023 Reporting Cycle

#### MCM #1: Public Education and Involvement

During the 2024 permit period, the City of Stillwater was able to utilize multiple events to provide education and outreach opportunities. Stormwater staff attended Career Day in December where multiple middle school classes were presented with general stormwater quality concepts and environmental program activities. Stillwater continued participating in the COSWA Rain Barrel Promotion in 2024, providing an additional opportunity for education and outreach as well as public involvement. In June, the City attended two Nature Camps, hosted by Friends of Sanborn Lake and Friends of Lake McMurtry, and provided Enviroscape demonstrations to children from 1<sup>st</sup> grade to 5<sup>th</sup> grade. Stormwater staff attended the Payne County Home and Garden Show, Payne County Fair, and the Payne County Conservation Fair to provide information to homeowners regarding pollution management at the residential level, fertilizer usage, flood protection, and rain barrel usage and ordering information through COSWA. City staff presentations regarding stormwater quality regulations, City program activities, FOG program, SSOs, and general environmental stewardship were provided for City Council, the Stillwater Home Builders Association, OSU graduate classes, the Chamber of Commerce Infrastructure Committee, and various private groups. The City partnered with a home building company to provide a construction site tour to an OSU engineering class. PSAs continued to be posted to the City website and social media sites. Two local radio interviews were conducted to remind residents to be proactive regarding pollution and drainage management on their properties. The City continues to maintain the “SNAP” tool on the City website, which allows citizens to request assistance with drainage and water quality issues. Additional information on public education and public involvement are included in Appendix A.



June 2024 – McMurtry Nature Camp



October 2024 – OSU Engineering Class Site Visit

Blue Thumb volunteer groups provided water quality monitoring at several locations throughout Stillwater, providing data such as water temperature, pH, dissolved oxygen, nutrient levels, and chloride. Blue Thumb data is included in Appendix B. Blue Thumb once again hosted a volunteer training in Stillwater in January. Citizen-volunteers participated in two Household

Hazardous Waste events which allowed for excellent opportunities to provide public education and allow citizens to participate in the removal of pollutant sources. The annual Trash-Off event saw a small turnout in 2024 with 79 volunteers participating to remove 94 bags of trash from multiple locations within the MS4. Staff also partnered with GRDA to provide a rain barrel workshop at the Public Library, allowing participants to each build and take home a rain barrel.

The general public may provide comments and feedback through the City Website, utilizing the City's 'SNAP' reporting tool, contacting the City Hall main number at 405-372-0025, or by emailing [stormwater@stillwaterok.gov](mailto:stormwater@stillwaterok.gov).



GRDA Rain Barrel Workshop

### 2024 Stillwater Trash-Off Winner



Bicyclist and Pedestrian Advisory Committee (BPAC)

2024 Trash-Off Winners

### MCM #2: Industrial Stormwater Runoff Control

All BMPs mentioned in Table 3b were completed in the 2024 reporting period. A list of all OKR05 permittees is maintained and used to implement an inspection schedule. Currently, stormwater inspections are conducted simultaneously with the pre-treatment program inspections. All properties located within City limits are subject to Chapter 35 of the City's ordinances, prohibiting the discharge of pollutants to the MS4 as well as prohibiting any impairment of drainage facilities. A review of the ordinances was performed in 2024 and no modifications were needed to meet the requirements of this MCM. 100% of new industrial development plans were reviewed for water quality impacts.

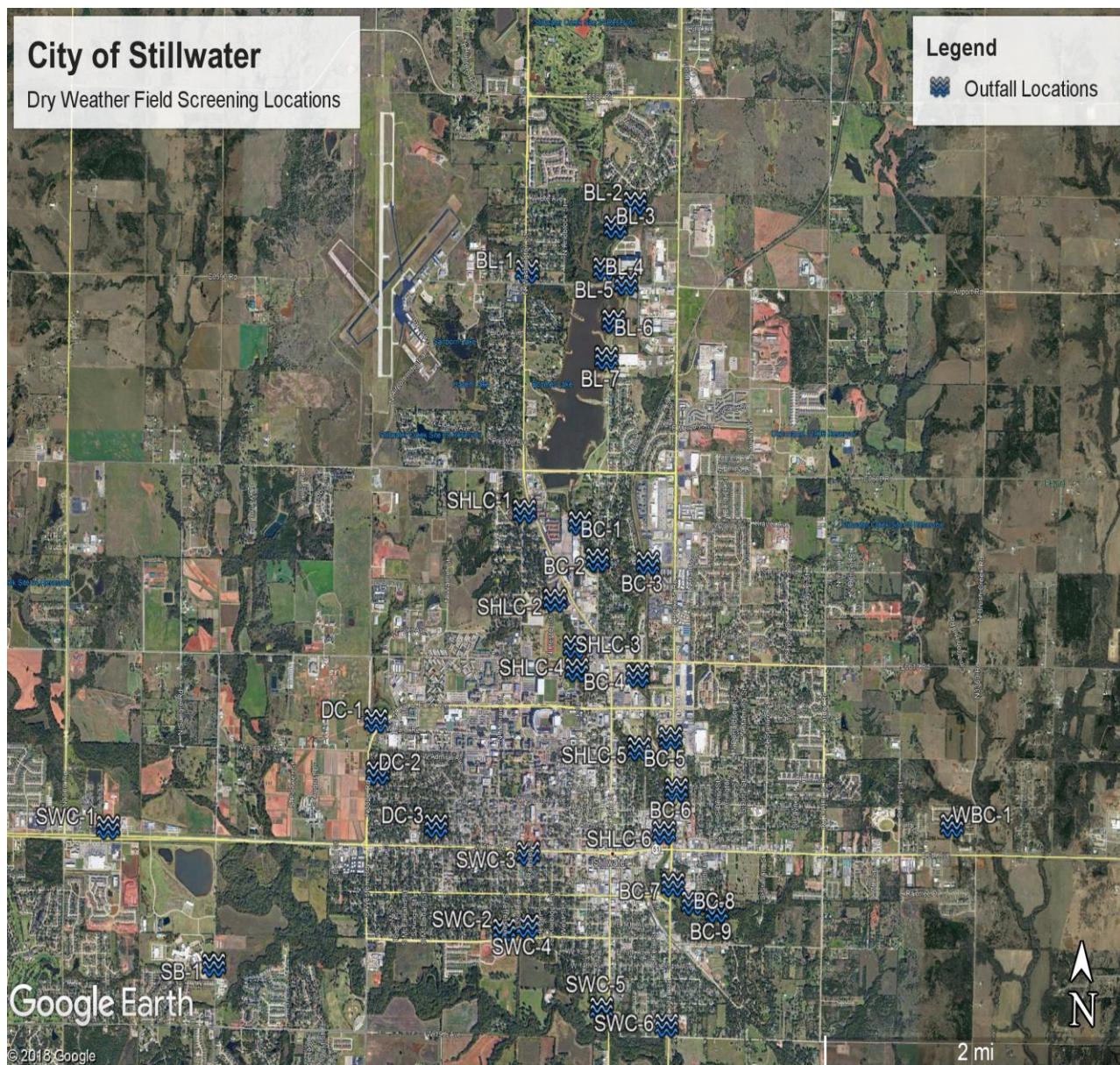
### MCM #3: Illicit Discharge Detection and Elimination

As in previous years, the majority of illicit discharges that occurred in 2024 were the result of sanitary sewer overflows, leaks, or spills. Adequate response by City of Stillwater staff, emergency responders, and cooperation from responsible parties resulted in fast and effective discharge mitigation. Staff training and communication has resulted in an increase in illicit discharge identification and proper notification to staff. An example of an illicit discharge report can be found in Appendix C. All reports of illicit discharges are investigated within 72 hours to identify and remove the source, utilizing visual indicators and field test equipment. More information regarding the Illicit Discharge Program can be found in Appendix C of the City of Stillwater's Stormwater Management Plan, available on the City's website.

The Dry Weather Field Screening (DWFS) program remains the primary method of monitoring for discharges. None of the DWFS locations showed signs of pollutant discharges in 2024. The DWFS inspection data can be found in Appendix D. The outfalls identified as priority locations are highlighted red in Appendix D. These are areas with a higher likelihood of illicit discharges due to the surrounding industrial and commercial properties, as well as the older age of developments. The priority locations are reviewed and updated annually.

Spill response materials for vehicle kits were inspected and replenished as needed. Annual review of spill response procedures was performed, and no modifications were necessary. Good housekeeping policies were followed at all municipal facilities, reducing the potential for pollutant discharges.

Annual updates to the MS4 map continued through 2024 as resources allowed. Field verification of outfall locations and priority area identification are ongoing.



# The City of Stillwater OKLAHOMA



● StormwaterNetwork\_Junctions

swInlet

LifecycleStatus

▲ Active

▲ Abandoned; Removed

swManhole

SubtypeCD

○ Manhole

swNetworkStructure

SubtypeCD

● Detention Basin-Dry

● Detention Basin-Wet

● RetentionBasin

● Underground Storage

swOutlet

LifecycleStatus

● Active

StormOpenChannel

SubtypeCD

— Channel

— Flume

— Natural Swale

— Other

— Stream

— Trickle Channel

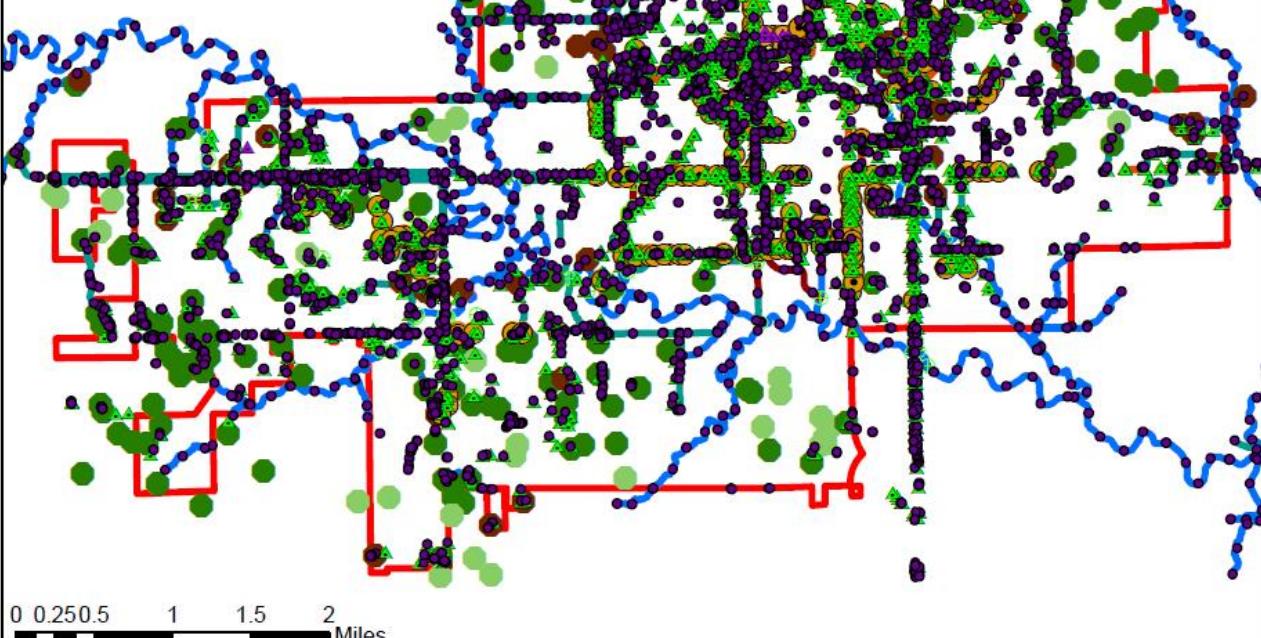
StormClosedCannels

LifecycleStatus

— Active

— Abandoned; Removed

— CITY LIMITS



City of Stillwater MS4

## MCM #4: Construction Site Runoff Control

The City's Construction Site Runoff Control Program consists of issuing Earth Change Permits to sites within city limits that disturb an acre or greater or those that disturb less than an acre and are part of a larger common plan of development, inspecting these sites to ensure that they are in compliance with the construction stormwater requirements set out in Chapter 35 of the City's Code of Ordinances, and issuing enforcement actions for any non-compliant sites. Earth Change Permits are valid for a one-year period from the date of issuance. Below is a summary of the activities conducted in 2023:

- Earth Change Permits

Number of sites permitted in 2023:	20
Total number of open sites during reporting period:	35
Total number of sites inspected during reporting period:	35

- Construction Site Enforcement

No citations were issued in 2024. Non-compliance issues were resolved with Notices of Violation and follow-up inspections. An example of a construction site inspection report can be found in Appendix E.

During this reporting cycle, the Design and Construction Standards, BMP manual and ordinances were reviewed. No modifications were required during this reporting period.

Multiple Public Works and Engineering staff members received training covering stormwater regulations and the use of structural and non-structural BMPs. Public Works staff also received a training session from Blue Thumb regarding maintenance practices for healthy riparian zones. This allows for crews to properly manage stormwater BMPs on City projects, as well as identify issues on private development projects.

## MCM #5: Post-Construction Stormwater Management

The City encourages the use of green infrastructure and low impact development (LID) practices as part of the development process, however there are currently no requirements for LID practices. Ordinances are reviewed annually to identify potential legal barriers to LID practices. Street design criteria and parking lot regulations are also reviewed annually for potential opportunities to reduce the creation of additional impervious areas.

The City currently maintains 4 municipal detention facilities and performs inspections and routine maintenance on many drainage facilities throughout the City. Additional educational material is continually being developed and distributed for private homeowners and homeowner associations to aid in the identification and maintenance of post-construction BMPs in their neighborhoods. Staff visited multiple private detention facilities in 2024 to provide maintenance guidance to property owners.

## MCM #6: Pollution Prevention & 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 maintaining and updating an inventory of MS4 operations impacted by the City, as well as training municipal employees on topics such as spill prevention and response and general good housekeeping measures. City staff utilizes BMP implementation for activities such as emergency line breaks and repairs, as well as routine maintenance. Disturbed areas are then stabilized with seed and mulch, hydromulch, or sod within 14 days of the activity being completed. An additional major activity that occurs as part of the Municipal Good Housekeeping Program is street sweeping. The City currently operates vacuum sweepers on a routine basis. During the reporting period, 4,464 cubic yards of material were removed from the MS4, and 11,322 lane miles were swept. Street sweepers also respond to non-hazardous material spills and clean inlets as necessary.

Multiple municipal facilities were formally inspected in 2024, each receiving a detailed report identifying deficiencies and recommended corrective actions. An example of a municipal facility inspection report can be found in Appendix F. Each facility is responsible for maintaining its own good housekeeping program. City equipment and vehicles are washed in an appropriate wash bay where the wash waters are properly discharged and do not enter waters of the state. Spill response kits were provided to multiple crews at each facility. Formal inspections and procedure evaluations will continue for each municipal facility in 2025.

### **2.2 Next Reporting Cycle**

The next reporting period will include data from January 1, 2025, through December 31, 2025. The Annual Report covering that period will be submitted by April 30, 2026.

### **2.3 Proposed Changes**

Changes based on feedback received by ODEQ on March 18, 2025, from the 2025 Program Audit will be implemented during the 2025 reporting period. BMP #34, Assess Street Design & Parking Lot Requirements, was added to MCM 5. Additionally, the previous IDDE Program stand-alone document was added to the Stormwater Management Plan as an appendix.

No annexations have occurred during the current permit cycle, therefore the MS4 service area has not changed.

### **2.4 Stormwater Activities Planned for the Next Reporting Period – Table 5**

BMP #	BMP Stormwater Program Activity	Implementation Schedule
MCM-1	Public education and involvement	

<b>BMP #</b>	<b>BMP Stormwater Program Activity</b>	<b>Implementation Schedule</b>
1	Continue to release a minimum of 3 Public Service Announcements for various program activities.	By December 31st
2	Continue participate in a minimum of 2 radio spots to promote program activities.	One by March 31st, one by September 30th.
3.	Send out a minimum of two press releases regarding program activities.	One by March 31st, one by September 30th.
4.	Provide door hangers in neighborhoods where pollution sources and FOG issues are noted.	At the time sources are identified.
5.	Review and update the City website with relevant information	Annual review and update by December 31 <sup>st</sup> , and throughout the year as needed.
6.	Provide stormwater training to at least one City department	By December 31st
7.	Provide at least one stormwater training to the development community	By December 31st
8.	Attend at least one event to provide educational materials	By December 31st
9.	Make the Annual Report available to the public on the website	By May 15th
10.	Hold a watershed clean-up/trash removal event	By April 30th
11.	Hold at least one Household Hazardous Waste collection	By April 30th
12.	Provide information about program activities at one Council meeting	By December 31st
13.	Support a minimum of 6 volunteer water quality monitoring events	By the end of each month
14.	Continue to review and respond to 100% of public comments/concerns/complaints	Within 48 hours of receipt

#### **MCM-2 Industrial Stormwater Runoff Control**

15.	Review and update the OKR05 permittee list.	by January 31st
16.	Review and modify ordinances targeting OKR05 permittees	By January 31st
17.	Inspect 20% of OKR05 permitted facilities	By December 31st
18.	Review plans for 100% of new industrial developments for WQ impacts	Within 14 days of receipt

#### **MCM-3 Illicit Discharge Detection and Elimination**

19.	Review Ordinances and Policies and update as required.	By January 31st
20.	Review and update the GIS MS4 map once per year and as needed.	Annually by January 31 <sup>st</sup> , as needed
21.	Inspect 40% of identified outfalls/100% of priority outfalls	By October 31st
22.	Respond to 100% of identified discharges related to erosion control	Within 24 hours of identification
23.	Respond to 100% of identified discharges related to yard waste/debris	Within 24 hours of identification
24.	Respond to 100% of identified discharges related to trash fats, oils, & grease	Within 24 hours of identification

#### **MCM-4 Construction Site Runoff Control**

BMP #	BMP Stormwater Program Activity	Implementation Schedule
25.	Review standard erosion control plan sheet	By January 31 <sup>st</sup> and as needed
26.	Review and update standard erosion control notes	By January 31 <sup>st</sup> and as needed
27.	Review and update construction site stormwater control ordinances and policies	By January 31 <sup>st</sup> and as needed
28.	Issue Earth Change Permits for 100% of sites that meet the criteria	Within 14 days of receipt of application and prior to start of earth work
29.	Respond to 100% of identified permit violations	Within 48 hours of identification
30.	Inspect 100% of permitted sites once per month	By the last day of each month
<b>MCM-5 Post-Construction Site Runoff Control</b>		
31.	Review and update post-construction policies and standards	By January 31 <sup>st</sup> and as needed
32.	Review and update drainage facility maintenance ordinances	By January 31 <sup>st</sup> and as needed
33.	Inspect 20% of permanent facilities	By December 31st
34.	Review street design and parking lot requirements	By January 31st
<b>MCM-6 Good Housekeeping</b>		
35.	Inspect municipal facility spill kits and replenish if needed	By October 31st
36.	Inspect each municipal facility subject to the OKR05	By the end of each quarter
37.	Inspect each municipal facility not subject to the OKR05	By October 31st
38.	Review O&M policies for maintaining MS4 facilities	By January 31st
39.	Implement street sweepers 4 times on all curbed streets	By December 31st

### Section 3. Additional Activities

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#### 3.1 Additional BMPs Being Implemented to Address 303(d) Waters

The information in Table 6 below was acquired using Appendix C (Page 56) of the 2022 ODEQ Integrated Report.

Waterbody Name	Waterbody Id. (WBID)	303(d) Pollutants of Concern
Boomer Lake	OK620900040190-00	Mercury, chlorophyll-a, dissolved oxygen, turbidity
Boomer Creek	OK620900040140_00	Benthic Macroinvertebrates
Boomer Creek	OK620900040180_00	Benthic Macroinvertebrates

Cow Creek	OK620900040200_00	Benthic Macroinvertebrates
Sanborn-Hazen Lake Creek	OK620900040150_00	Benthic Macroinvertebrates
Stillwater Creek	OK620900040270-10	Dissolved oxygen

In an effort to minimize pollutant discharges to the above referenced water bodies, additional water quality monitoring, outfall inspections, dry weather field screening, and public outreach will be performed in the surrounding neighborhoods and commercial areas.

### **3.2 Optional Permit Coverage under MCM #7**

All City construction site operators performing earth disturbing activities within the boundary of the City of Stillwater are informed that they must comply with all federal, state and local regulations related to erosion control and stormwater runoff. Table 8 below contains MCM # 7 information.

All proposed projects are reviewed and assessed for water quality impacts, including flood management projects. All contractors performing work must comply with all stormwater regulations located in Chapter 35 of the City's code of ordinances. Projects will be inspected for regulatory compliance and all enforcement procedures included in Chapter 35 apply to all projects. The City reserves the ability to require that any project obtain separate coverage under the OKR10 Construction General Permit. Projects that fall under MCM 7 must complete the City's SWP3 template, implement controls based on site specific conditions, and perform all work in accordance with Part III of the OKR10 Construction General Permit.

<b>7<sup>th</sup> MCM Action</b>	<b>Number</b>	<b>Comments</b>
Number of active construction sites currently covered under the 7 <sup>th</sup> MCM.	3	Block 34, Fire Station #2, Airport Terminal
Number of construction projects started during the reporting period.	2	Fire Station #2, Airport Terminal
Number of construction projects that were completed during the reporting period.	0	None
Number of 7 <sup>th</sup> MCM construction sites that have reached final stabilization.	0	None

## Section 4. Summary/Permittee Information

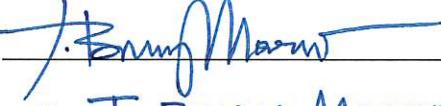
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### 4.1 Permittee Information

Permittee	City of Stillwater, Oklahoma
Address	723 S. Lewis Street
City/State/Zip	Stillwater, OK 74076
Contact	Zack Henson, Watershed Quality Manager
Contact Phone	(405) 533-8436
Authorization No.	OKR040031
Authorization Date	September 8, 2021

### 4.2 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.

Signature:  Date: 4. 28. 2025  
Name (printed): J. BRADY MOORE Title: CITY MANAGER

## **Appendix A: Activity Examples**

<b>2024 Schedule of Events for Education and Outreach</b>	
January 3, 2024	Begin Rain Barrel Promotion
January 27 & 28, 2024	Blue Thumb Volunteer Training
March 12, 2024	Morning Edition – Local TV spot
March 30, 2024	Trash-Off
April 3, 2024	Infrastructure Committee Meeting Presentation
April 6 & 7, 2024	Payne County Home and Garden Show
April 9, 2024	Blue Thumb Riparian Maintenance Training
April 10 & 11, 2024	OCLWA Conference Exhibitor
April 17, 2024	Morning Scramble – Local Radio Spot
May 4, 2024	Household Hazardous Waste Collection
May 4, 2024	Rain Barrel Pick-up Event
May 20, 2024	City Council Meeting with Flood Awareness Month Proclamation
June 4, 2024	Lake McMurtry Adventure Camp Presentation
June 6, 2024	Sanborn Lake Nature Camp Presentations
August 15, 2024	GRDA Rain Barrel Workshop
August 30, 2024	Payne County Fair Booth
October 10, 2024	OSU Graduate Class Construction Site Stormwater Tour
October 19, 2024	Household Hazardous Waste Collection
October 21, 2024	Payne County Conservation District - Conservation Fair
December 20, 2024	Stillwater Middle School Career Day

## Report & Track Citizen Request System

2/12/2018

[www.stillwater.org/call#drainage-flooding-erosion-stormwater](http://www.stillwater.org/call#drainage-flooding-erosion-stormwater)

BUILDING PERMITS, INSPECTIONS, ZONING

If you have questions about commercial or residential building permits, inspections or zoning, call 405.742.8220 or visit Development Services.

### Comments or Accolades

Like a program or want to comment on someone's good work? [Email us!](#)

### Drainage, Flooding, Erosion & Stormwater

#### 1) Questions concerning new developments or structures

Several departments address different aspects of drainage, flooding, erosion and stormwater. If you need assistance plans for a new structure, Development Services is a good place to start.

#### 2) Report problems (including flooding) caused by erosion or stormwater drainage

##### **Preferred methods of contact**

**Report & Track.** This interactive tool that allows you to alert the City of a problem in your neighborhood or around town and follow up on it. Reports submitted during non-office hours will be reviewed and assigned to a city staffer the next business day.

24-Hour Utility Assistance: 405.372.3292

##### **Other methods of contact**

Voice mail, email and social media platforms are not monitored 24/7. If you choose one of these methods of contact, your concern or question may not be addressed until the next business day.

## Events



Household Hazardous Waste Collection



Conservation Fair Booth



Payne County Fair Booth



OSU BMP Tour



Trash-Off Volunteers

## Appendix B: Blue Thumb Water Monitoring Data

Boomer Creek: E 3rd Ave									
OK620900-04-0180B									
36.119058, -97.05182									
Date	Time	Water Temp °C	DO mg/L	pH	Nitrate mg/L	Nitrite mg/L	Ammonia mg/L	Orthophosphate mg/L	Chloride mg/L
No Data available for 2024									
Boomer Creek: S. Perkins Rd									
OK620900-04-0180B									
36.1122395 -97.0515									
Date	Time	Water Temp °C	DO mg/L	pH	Nitrate mg/L	Nitrite mg/L	Ammonia mg/L	Orthophosphate mg/L	Chloride mg/L
1/26/2024	14:30	5	13	7.5	1	0	0.2	0.033	20
2/19/2024	10:00	4	12	7.5	0	0	0	0	14
3/27/2024	9:55	8	N/A	7.5	1	0	0	0.026	N/A
4/23/2024	9:01	16	6	7.5	0	0	0	0.047	20
5/23/2024	14:30	24	10	7.5	0	0	0	0.033	N/A
8/26/2024	14:07	31	12	7.25	0	0	0	0.033	12
Cow Creek: Hwy 51									
OK620900-04-0200B									
36.11605, -97.09904									
Date	Time	Water Temp °C	DO mg/L	pH	Nitrate mg/L	Nitrite mg/L	Ammonia mg/L	Orthophosphate mg/L	Chloride mg/L
No Data available for 2024									
Duck Creek: Myers Park									
OK620900-04-0195G									
36.11162, -97.08418									
Date	Time	Water Temp °C	DO mg/L	pH	Nitrate mg/L	Nitrite mg/L	Ammonia mg/L	Orthophosphate mg/L	Chloride mg/L
1/18/2024	17:30	1	13	7.5	5	0.15	0.3	0	320
1/28/2024	11:00	2	14	7.7	3	0	0	0.22	80
2/22/2024	17:30	14	16	79.8	3	0.1	0.2	0.046	200
3/14/2024	17:30	23	15	7	N/A	N/A	0.2	0.216	160
4/18/2024	17:30	13	12	8.6	N/A	N/A	0	0.043	160
11/7/2024	17:30	16	7	8	0	0	0	N/A	N/A

Sanborn-Hazen Lake Creek: Strickland Park									
OK620900-04-0150G									
36.1253, -97.05841									
Date	Time	Water Temp °C	DO mg/L	pH	Nitrate mg/L	Nitrite mg/L	Ammonia mg/L	Orthophosphate mg/L	Chloride mg/L
1/26/2024	11:15	6	11	7.5	1	0	0	0.033	75
3/25/2024	12:30	13	14	8	2	0.15	0	0.126	N/A
4/26/2024	10:40	20	6	7.5	1	0.15	0.2	0.086	35
5/28/2024	10:15	22	7	7.5	1	0	0	0.086	40
6/28/2024	9:50	26	3	8	2	0.15	0.1	0.153	90
7/29/2024	10:25	25	3	7.5	1	0.15	0.1	0.146	80
8/16/2024	10:30	26	8	7	1	0	0.1	0.106	35
10/16/2024	11:45	12	7	8	0	0	0	0.067	N/A
11/30/2024	11:40	6.5	9	8	1	0	0	0.106	N/A

Stillwater Creek: Babcock Park									
OK620900-04-0070M									
36.10425, -97.0876111									
Date	Time	Water Temp °C	DO mg/L	pH	Nitrate mg/L	Nitrite mg/L	Ammonia mg/L	Orthophosphate mg/L	Chloride mg/L
3/23/2024	9:53	22	8	7.7	0	0	0	0.067	45
5/4/2024	14:30	21	11	7.6	0	0	0	0.027	75

## Appendix C: Illicit Discharge Report

<p style="text-align: center;"><b>The City of Stillwater OKLAHOMA</b></p> <p style="text-align: center;"><b>ILLICIT DISCHARGE REPORT</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Site Name/Address: 4904 W Loper</td> <td style="width: 50%; padding: 2px;">Current Weather: Clear</td> </tr> <tr> <td>Date/Time: 1/30/2024 12:20 PM</td> <td>Estimated Quantity: Undetermined</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Responding Personnel: Zack Henson/Russell Andrews</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Checklist</th> <th style="width: 10%;">Yes</th> <th style="width: 10%;">No</th> <th style="width: 10%;">N/A</th> <th style="width: 60%;">Comments</th> </tr> </thead> <tbody> <tr> <td>Has the discharge reached the MS4?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Country Club r.o.w. Channel</td> </tr> <tr> <td>Has the discharged material reached an MS4 outfall?</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>Has the discharge source been located and stopped?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Leaking vehicle with a punctured fuel tank.</td> </tr> <tr> <td>Has the discharge been contained?</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Staff placed absorbent socks and floor-dry on the pavement to contain the flow.</td> </tr> <tr> <td>Has the discharged material been identified?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Varnished Gasoline</td> </tr> <tr> <td>Does the material pose a health hazard?</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Vapors</td> </tr> <tr> <td>Does the material pose an environmental hazard?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Material contributes to the reduction of water quality</td> </tr> <tr> <td>Does the discharge require notification to other entities (ODEQ, ODOT, etc.)?</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>Has the discharge been properly cleaned?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Floor-dry applied and picked up via street sweeper</td> </tr> <tr> <td>Has the responsible party been identified?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Residents at 4904 W Loper</td> </tr> <tr> <td>Has the responsible party been notified?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Notified in person by Watershed Quality staff</td> </tr> </tbody> </table> <p>Location Map:</p>  <p>Legend</p> <ul style="list-style-type: none"> <li>Discharge Path</li> <li>Discharge Source</li> <p>Google Earth</p> </ul>	Site Name/Address: 4904 W Loper	Current Weather: Clear	Date/Time: 1/30/2024 12:20 PM	Estimated Quantity: Undetermined	Responding Personnel: Zack Henson/Russell Andrews		Checklist	Yes	No	N/A	Comments	Has the discharge reached the MS4?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Country Club r.o.w. 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 <p>Pooling at the intersection of Loper Avenue and Ja Linda Lou Court. A visible sheen is present in the gutter. The liquid followed joints in the street panels.</p>	 <p>Fluid and floor-dry can be seen following the street panel joints northeast towards Country Club Rd.</p>
 <p>Fluid and floor dry mixed with water seepage in the gutter flow line.</p>	 <p>A small 'dam' of floor-dry was placed at the furthest extent of the discharge. Some material had already traveled to the other side of the street via street panel joints and entered the Country Club right-of-way ditch.</p>
<p><b>Comments:</b></p> <p>A street sweeper cleaned the gutters and street joints on Thursday, February 1. The majority of the material has been removed, with small amounts still existing in the street panel joints. The leaking vehicle has been removed from the street and is no longer leaking fluid onto the street.</p>	
<p><b>Enforcement Action:</b></p> <p>Due to the owner's response, no enforcement action is taken at this time. Staff will monitor the location for improvement.</p>	
<p>Zack Henson, CPSWQ Stormwater Program Manager</p>	
<p>2/2/2024</p>	

## Appendix D: Dry Weather Field Screening Data

Site ID	Location Description	Site Type	Inspection Date	Wet/Dry	Source Identified	Maintenance Required?
Boomer Lake						
BL-1	SE corner of N. Washington and Airport Rd	Culvert outfall	8/15/2024	Dry	N/A	Excessive vegetation
BL-2	Approximately 2,370ft N of Airport Rd along the Kameoka Trail (NW side of 100 W Airport Rd)	Open Channel culvert	8/15/2024	Dry	N/A	Woody Debris
BL-3	Approximately 1,360 ft N of Airport Rd along the Kameoka Trail (NW side of 100 W Airport Rd)	Culvert outfall	8/15/2024	Dry	N/A	N/A
BL-4	Access culvert approximately 275 ft east of the Airport Rd bridge (old recycling center)	Culvert outfall	8/15/2024	Dry	N/A	N/A
BL-5	Approximately 300 ft south of the intersection of N. Husband and W. Airport Rd.	Culvert outfall	8/15/2024	Wet	Tail Water	N/A
BL-6	Approximately 1,540 ft south of the intersection of N. Husband and W Airport Rd.	Culvert outfall	8/15/2024	Dry	N/A	N/A
BL-7	Opposite 3100 N Husband St. (Kicker), approximately 80 ft north of the trail parking lot.	Culvert outfall	8/15/2024	Dry	N/A	Excessive vegetation
Sanborn-Hazen Lake Creek						
SHLC-1	Approximately 600 ft south of the intersection on N Washington St and Boomer Rd	Box Culvert	8/15/2024	Dry	N/A	Vegetation (removed), cart
SHLC-2	Approximately 170 ft west of the intersection of W Eskridge Ave and N Knoblock St.	Box Culvert	8/15/2024	Dry	N/A	Excessive vegetation
SHLC-3	Approximately 135 fit west of the intersection of McElroy and N. Duck	Box Culvert	8/15/2024	Dry	N/A	Vegetation, debris, cart
SHLC-4	East side of the Allie P. Reynolds Baseball Stadium. Outfall comes from the SW	Box/round culvert	8/15/2024	Wet	Irrigation	Debris, scouring on east
SHLC-5	Approximately 375 ft south of the intersection of E Miller and S Lowry, then 200 ft east on easment	Culvert outfall	6/25/2024	Dry	N/A	multiple carts
SHLC-6	NW corner of the 6th and Perkins bridge	Culvert outfall	8/5/2024	dry	N/A	Vegetation, scouring
Boomer Creek						
BC-1	East side of the new SPS High School, N of the communication tower.	Culvert/flume	8/28/2024	Dry	N/A	creek scouring
BC-2	Bridge approximately 140 ft south of the intersection of Franklin and Husband	Bridge	8/28/2024	Dry	N/A	large pipe chunks
BC-3	SW corner of Cimarron Townhomes	2 Flumes	8/28/2024	Dry	N/A	N/A
BC-4	Detention pond immediately north of 306 E Hall of Fame	Culvert outlet	8/28/2024	Dry	N/A	Pipe debris accumulation
BC-5	NW corner of E Virginia and S Perkins Rd	Box culvert	8/28/2024	Wet	Tailwater	Scouring under box
BC-6	Parking lot N of Access Urgent Care (3rd Ave)	Culvert/drainage ditch	9/9/2024	Dry	N/A	Excessive vegetation
BC-7	Hoyt Grove Park, NE side of bridge	Culvert	9/9/2024	Dry	N/A	Johnson Grass
BC-8	Drainage, eastside of operations, outlet	Open channel	9/9/2024	Dry	N/A	N/A
BC-9	North Couch Park, S end of Hall and Leigh	Open Channel	9/9/2024	Dry	N/A	Scouring, excessive veg.
West Brush Creek						
WBC-1	Approximately 130 ft south of the intersection of Mockingbird Ln and E 4th Ave	Flume	9/10/2024	Dry	N/A	Trees in channel
Stillwater Creek						
SWC-1	Approximately 200 ft east of the east entrance to the Walmart on Hwy 51	Culvert outlet	8/15/2024	Wet	Tailwater	N/A
SWC-2	South side of 12th Ave at the intersection with S Jefferson.	Culvert to flume	9/9/2024	Wet	HVAC	N/A
SWC-3	SW corner of Ramsey and 7th	Closed to open channel	9/9/2024	Wet	HVAC	N/A
SWC-4	South side of 12th between Washington and Hester. (S of dog park)	Open Channel	9/9/2024	Wet	HVAC	N/A
SWC-5	Approximately 100 ft south of the south entrance to the Humane Society.	Culvert outlet	9/9/2024	Wet	Unk	N/A
SWC-6	SW corner of 19th and S Perkins rd	Culvert outlet				
Duck Creek						
DC-1	East side of the intersection of Hall of Fame and Western, culvert from the NE	Culvert outlet	8/15/2024	Wet	Unk	Excessive vegetation
DC-2	SW corner of the intersection of W Sunset Ave and S Ridge Dr.	Culvert and open channel	8/15/2024	Wet	Unk	Vegetation and sediment
DC-3	Approximately 150 ft from the intersection of 6th Ave and S Orchard Street.	Culvert to flume	8/15/2024	Wet	hyd. Flush	damaged structures
Stream B						
SB-1	SE corner of Meridian Tech. (Visible from Sangre)	Flume	8/15/2024	Wet	Sprinklers	N/A

\*Site IDs highlighted in red are priority outfalls.

## Appendix E. Construction Site Inspection Report

**The City of  
Stillwater  
OKLAHOMA**

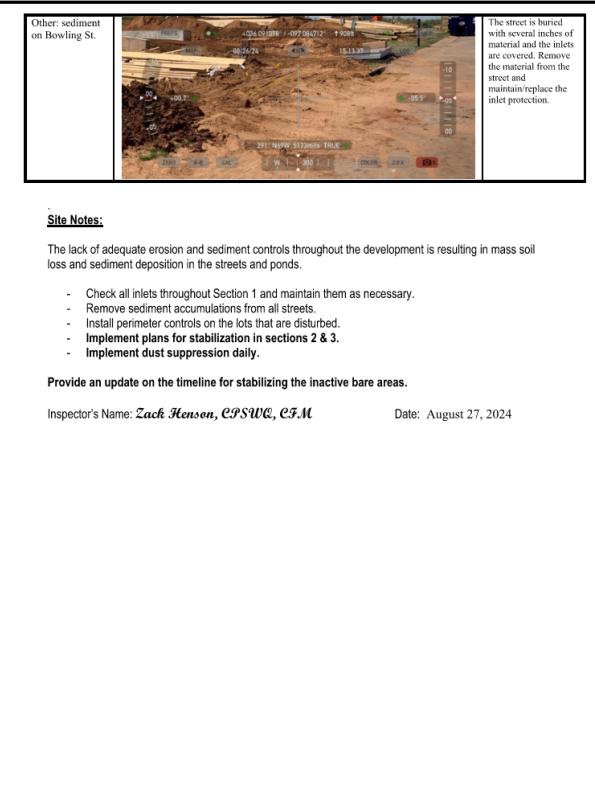
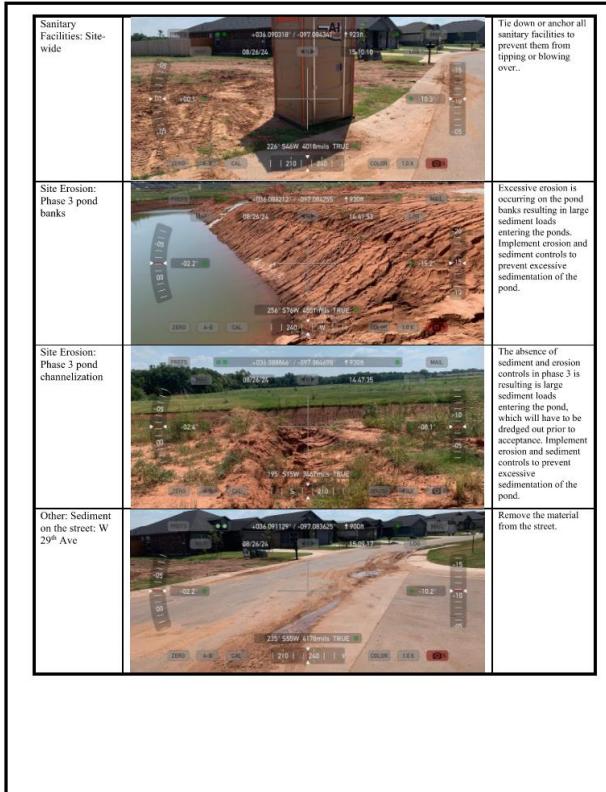
**CONSTRUCTION SITE INSPECTION REPORT**

<p><b>Site Name/Address:</b> Park Valley  <b>Date/Time:</b> 8/26/2024 2:45 PM  <b>Current Activity:</b> Building/Grading  <b>Last Rain Date:</b> August 11, 2024  <b>Quantity:</b> &gt; 2.0"</p>	<p><b>Inspection Type:</b> Routine  <b>Current Weather:</b> Clear  <b>Last Inspection Date:</b> 8/12/2024  <b>Last Inspection Result:</b> Not In Compliance</p>
--	---

Inspection Checklist	Compliant	Non-Compliant	N/A	Note: For each item checked "Non-Compliant", refer to the follow-up information on page 2.
DEQ Permit Posted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWP3 Location Noted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Records Up to Date	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BMPs Properly Installed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Perimeter Controls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lacking
Inlet Protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Maintenance
Outlet/Flume Protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Construction Entrance/Exit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Vehicle Tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Dust Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Needs to be continuously implemented
Solid Waste Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Material Washout Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	At capacity
Check Dams	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fuel Storage Area	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pollutants Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stain/Paint
Stabilization	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Inactive bare areas
Sanitary Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not anchored
Site Erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Phase 3 pond
Unauthorized Discharge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Materials on the street Bowling

Site **IS** in compliance with current permit regulations.  
 Site **IS NOT** in compliance with current permit regulations. Noted deficiencies must be corrected within 14 calendar days, unless otherwise noted, to avoid a Notice of Violation (NOV).  
 Site is currently inactive and in compliance with current permit regulations.  
 Notice of Violation issued.

Maintenance/Corrective Action Required		
BMP & Location	Representative Photo	Description
Inlet protection: East end of the site		The inlet protection is overtopped and looks like it is grates. Remove the accumulated sediment and reset or replace the mats.
Inlet protection: Site-wide		Remove the accumulated sediment and debris from the inlet opening and reset or replace the mats.
Inlet protection: west end of the site		The inlet protection is at capacity. Remove the accumulated sediment and replace the mats.
Pollutants Management: Stain/paint, NE corner of Bowling and W 29th Ave		Paint and stain cans are being discarded onto the ground. Properly dispose of all liquid waste materials. Remove the



## Appendix F: Municipal Facility Inspection Report

<p style="text-align: center;"><b>The City of Stillwater OKLAHOMA</b></p> <p style="text-align: center;"><b>MUNICIPAL FACILITY STORMWATER INSPECTION REPORT</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>Site Name/Address: 505 E</td> <td>Current Weather: Partly cloudy</td> </tr> <tr> <td>Date/Time: 10/28/2024 1:24 PM</td> <td>Last Rain Date: 09/26/2024</td> </tr> <tr> <td>Last Inspection Date: 09/27/2023</td> <td>Quantity: 36</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">Inspection Checklist</th> <th style="width: 25%;">Compliant</th> <th style="width: 25%;">Non-Compliant</th> <th style="width: 10%;">N/A</th> </tr> </thead> <tbody> <tr><td>1. Access roads and parking lots are free of excess dirt, debris, and materials.</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>2. Storm drains are free of dirt, debris, and materials.</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>3. Discharge locations are free of debris and sediment accumulations.</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>4. Nearby water bodies and drainage ditches are free of trash, debris, and materials.</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td>5. 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<b>Recommended Maintenance/Corrective Action</b>		
Checklist Item & Location	Representative Photo	Recommended Action
25. Other <u>Oil drain pan in washbay</u>		
13. Adequate secondary containment is present for liquid material storage. <u>Oil drums with no containment</u>		

Site Notes: The North garage is getting a new oil tank that will be moved to the west side of the building and that drain pan will come out of there and go into the shop. They had cleaned up the garage and keep it organized.

Inspector's Name: Russell Andrews  
Date: **October 28, 2024 1:57 PM**