



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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Section 1. Compliance Status

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 7th 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 st . | 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 st . | 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 st . | 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 st . | 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 th . | Continued Annually | The goal was met in 2024. The event held on March 29 th included 145 participants. |
| 11 | Household Hazardous Waste Collection Event | Once per year by December 31 st . | 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 31 st | 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 st . | 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 st . | 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 st . | 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 st . | 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 st . | 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 st . | 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 31 st 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 31 st 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 st 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 st 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 st 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 st 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 th . | 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 th . | 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 30 th | 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. |

| Pollutant Reducing Program Activity | Measure of Pollutant Removal or Action |
|-------------------------------------|--|
| 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

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 1st grade to 5th 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.



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.

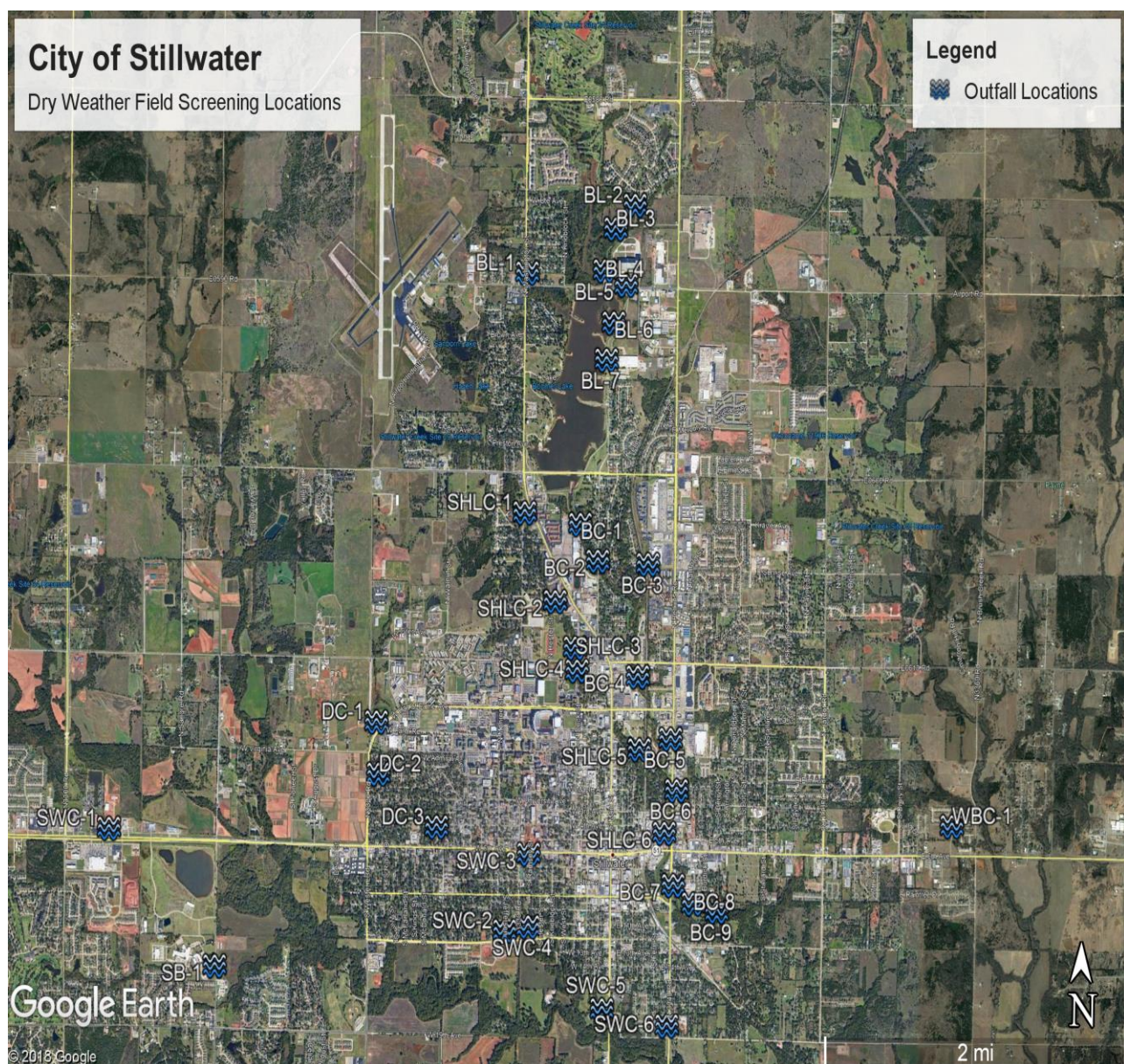
MCM #3: Illicit Discharge Detection and Elimination

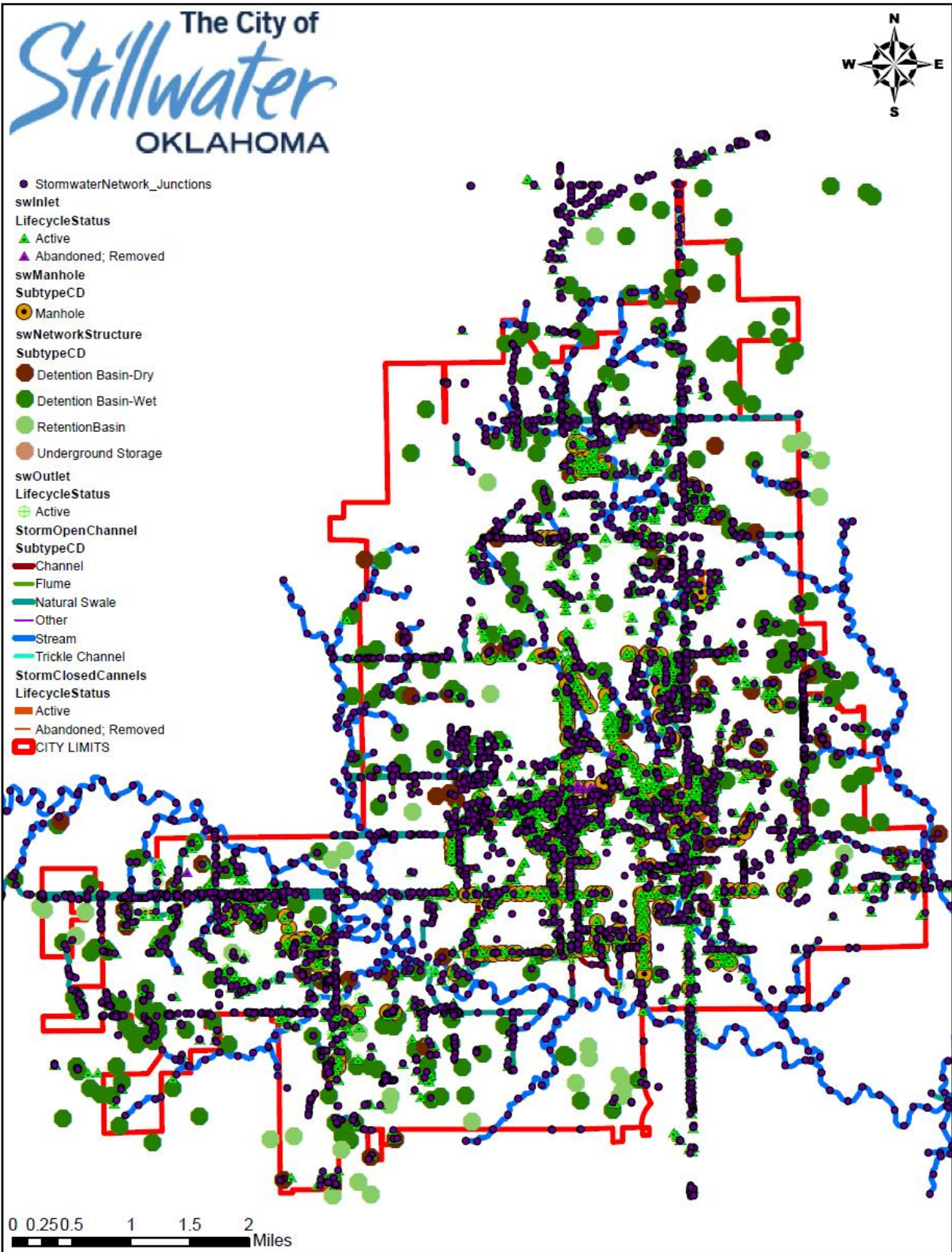
As in previous years, the majority of illicit discharges that occurred in 2024 were the result of sanitary sewer overflows, leaks, or spills. Adequate response by City of Stillwater staff, emergency responders, and cooperation from responsible parties resulted in fast and effective discharge mitigation. 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.





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 | |

| BMP # | BMP Stormwater Program Activity | Implementation Schedule |
|--|---|--|
| 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 st , 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 st , 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 st and as needed |
| 26. | Review and update standard erosion control notes | By January 31 st and as needed |
| 27. | Review and update construction site stormwater control ordinances and policies | By January 31 st 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 |
| MCM-5 Post-Construction Site Runoff Control | | |
| 31. | Review and update post-construction policies and standards | By January 31 st and as needed |
| 32. | Review and update drainage facility maintenance ordinances | By January 31 st and as needed |
| 33. | Inspect 20% of permanent facilities | By December 31st |
| 34. | Review street design and parking lot requirements | By January 31st |
| MCM-6 Good Housekeeping | | |
| 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

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 filed 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.

| 7 th MCM Action | Number | Comments |
|---|--------|---|
| Number of active construction sites currently covered under the 7 th 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 th MCM construction sites that have reached final stabilization. | 0 | None |

Section 4. Summary/Permittee Information

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: J. Brady Moore Date: 4.28.2025
Name (printed): J. BRADY MOORE Title: CITY MANAGER

Appendix A: Activity Examples

| 2024 Schedule of Events for Education and Outreach | |
|---|--|
| 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 McMurry 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

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









The City of
Stillwater
OKLAHOMA





| ILICIT DISCHARGE REPORT | | | | |
|---|--|----------------------------------|--|--|
| 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. Channel |
| Has the discharged material reached an MS4 outfall? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Has the discharge source been located and stopped? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Inoperable vehicle with a punctured fuel tank. |
| Has the discharge been contained? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Staff placed absorbent socks and floor-dry on the pavement to contain the flow. |
| Has the discharged material been identified? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Varnished Gasoline |
| Does the material pose a health hazard? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Vapors |
| Does the material pose an environmental hazard? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Material contributes to the reduction of water quality |
| Does the discharge require notification to other entities (ODEQ, ODOT, etc.)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Has the discharge been properly cleaned? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Floor-dry applied and picked up via street sweeper |
| Has the responsible party been identified? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Residents at 4904 W Loper |
| Has the responsible party been notified? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Notified in person by Watershed Quality staff. |

Location Map:



| Discharge Documentation | |
|--|--|
| Photo | Description |
|  | Photo of the leaking fuel tank. The owner had previously placed a small plastic container under one of the small holes in the tank to capture some of the fluid. A second small hole was found to be dripping onto the pavement. The vehicle was parked on Ja Linda Lou Ct. |
|  | An absorbent sock and floor-dry product were placed immediately downhill of the vehicle. Additional liquid can be seen in the gutter flow line. This is water seepage entering the gutter uphill of the vehicle. The fuel was primarily travelling in the joint between the gutter and street panel. |
|  | Absorbent socks were placed at intervals in the gutter flow line to contain and absorb the material. |
|  | Facing southeast, the liquid can be seen flowing downhill towards Loper Avenue. |
|  | Additional absorbent socks placed near the intersection of Loper Avenue and Ja Linda Lou Court. |

| | |
|---|--|
|  | 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. |
|  | Fluid and floor-dry can be seen following the street panel joints northeast towards Country Club Rd. |
|  | Fluid and floor-dry mixed with water seepage in the gutter flow line. |
|  | 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. |

Comments:

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.

Enforcement Action:

Due to the owner's response, no enforcement action is taken at this time. Staff will monitor the location for improvement.

Zack Henson, CPSWQ
Stormwater Program Manager


2/2/2024

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 ft 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 approxiamtely 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











CONSTRUCTION SITE INSPECTION REPORT


| | |
|--|--|
| Site Name/Address: Park Valley Date/Time: 8/28/2024 2:45 PM Current Activity: Building/Grading Last Rain Date: August 11, 2024 Quantity: > 2.0" | Inspection Type: Routine Current Weather: Clear Last Inspection Date: 8/12/2024 Last Inspection Result: Not In Compliance |
|--|--|

| 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 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.

| BMP & Location | Representative Photo | Description |
|---|--|---|
| Inlet protection: East end of the site |  | The inlet protection is overtopped and washed from the 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 dumped onto the ground. Properly dispose of all liquid waste materials. Remove the |

| | | |
|---|---|--|
| Sanitary Facilities: Site-wide |  | Tie down or anchor all sanitary facilities to prevent them from tipping or blowing over. |
| Site Erosion: Phase 3 pond banks |  | Excessive erosion is occurring on the pond banks resulting in large sediment loads entering the ponds. Implement erosion and sediment controls to prevent excessive sedimentation of the pond. |
| Site Erosion: Phase 3 pond channelization |  | The absence of sediment and erosion controls in phase 3 is resulting in large sediment loads entering the pond, which will have to be dredged out prior to acceptance. Implement erosion and sediment controls to prevent excessive sedimentation of the pond. |
| Other: Sediment on the street: W 29th Ave |  | Remove the material from the street. |

| | | |
|--------------------------------|--|---|
| Other: sediment on Bowling St. |  | The street is buried with several inches of material and the inlets are covered. Remove the material from the street and maintain/replace the inlet protection. |
|--------------------------------|--|---|

Site Notes:


The lack of adequate erosion and sediment controls throughout the development is resulting in mass soil loss and sediment deposition in the streets and ponds.

- Check all inlets throughout Section 1 and maintain them as necessary.
- Remove sediment accumulations from all streets.
- Install perimeter controls on the lots that are disturbed.
- Implement plans for stabilization in sections 2 & 3.
- Implement dust suppression daily.

Provide an update on the timeline for stabilizing the inactive bare areas.

Inspector's Name: *Zack Henson, CPSWC, CFM* Date: August 27, 2024

Appendix F: Municipal Facility Inspection Report





MUNICIPAL FACILITY STORMWATER INSPECTION REPORT

Site Name/Address: 505 E Current Weather: Partly cloudy
 Date/Time: 10/28/2024 1:24 PM Last Rain Date: 09/26/2024
 Last Inspection Date: 09/27/2023 Quantity: .36

| Inspection Checklist | Compliance | Non-Compliance | N/A |
|---|-------------------------------------|-------------------------------------|--------------------------|
| 1. Access roads and parking lots are free of excess dirt, debris, and materials. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Storm drains are free of dirt, debris, and materials. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Discharge locations are free of debris and sediment accumulations. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Nearby water bodies and drainage ditches are free of trash, debris, and materials. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Nearby water bodies and drainage ditches are free of surface sheen and offensive odor. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Solid waste is properly disposed of into appropriate waste containers. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Solid waste containers are covered at all times when not in use. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Building and lot wash water is properly disposed of into a sanitary line. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Vehicle and equipment wash water is properly disposed of into a sanitary line. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Materials are properly stored and protected from exposure to stormwater runoff. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Materials are handled in a manner that prevents them from entering the MS4. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Unused materials are stored in their original or properly labeled containers. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Adequate secondary containment is present for liquid material storage. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 14. Hazardous materials are stored and protected from exposure to stormwater runoff. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Sand and salt is stored to prevent exposure to stormwater runoff. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Vehicle and equipment leaks are properly cleaned to minimize exposure to stormwater runoff. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Fueling tanks are properly maintained, labeled, and protected by secondary containment. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. A spill response plan is implanted and readily accessible. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 19. Spill kits are properly located where spills are likely to occur. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 20. Spill kits are complete and restocked as needed. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 21. Employees are trained in spill response and good housekeeping. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 22. Site is free from erosion and sedimentation. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 23. All structural BMPs are in good functional condition. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 24. Site shows no evidence of unauthorized discharges. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 25. Other | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| Recommended Maintenance/Corrective Action | | |
|--|--|--------------------|
| 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