



City of Broken Arrow

Construction Stormwater Erosion
and Sediment Control Inspections
and Enforcement

How do you start a development, construction project?

Big Bucks...where do you get it? → Not from me. I'm just the stormwater inspector.

Buy the land...where? → Not in MY BACKYARD!!!

What does the engineer say? → That I can make anything work...did he know that there is a wetland onsite?

What did the City say? → How are you going to handle that wetland...and what about the "Blue Line Stream?"

Have you been to Development Services? They'll be delighted to help you.

Have you talked to the Corps of Engineers? "Blue Lines", wetlands.

US Fish and Game...Endangered or Threatened Species or Habitat? Did you check?

State or Federal Historical Sites?

Flood Plains, Floodways?

Have you prepared your SWPPP...did you check it for correctness...I Will.

DID YOU SIGN THE NOI? You are now the responsible party for pollution control on that project, and offsite if you are conducting activities that are part of the construction project...such as disposal of materials and borrow pits. The same rules apply at those offsite areas just like your primary site.

Now you get your Earth Change Permit..or maybe only a tree clearing permit, for trees outside the flood plain.

OK...let's go to work....

What's the first things you need to do?

The City of Broken Arrow will contact the owner or the person who signed the NOI with all issues of erosion/sedimentation.

Make sure you have your permits, post the site with information per the requirements in the OKR10.

Install an adequate construction entrance...one that works. DO NOT TRACK UP THE STREETS...citizens have us on speed dial, and getting their car dirty is almost a criminal act.

Install your perimeter controls per design...if you want to adjust it you must inform your engineer, and make adjustments to the construction drawings.

Rule of Thumb...100 linear feet of silt fence on less than a 5% slope only provides control on ¼ of an acre.

Do not install silt fencing across concentrated stormwater discharges...it will not work.

Install trash containment that can be covered. There is nothing worse than coming into a development that is covered with building paper, food wrappers, construction trash and debris.

Provide a container that can receive potentially hazardous materials without leaking into the soils or as runoff into the creeks via stormwater runoff.

Provide a compliant receptacle for concrete, stucco, masonry and paint wash-outs.

Dust has been a big issue recently...dust is treated just like sediment runoff, prevent it.

Construction entrance. One of the ways inspectors find new construction sites...follow the breadcrumbs approach.





This site was a staging yard for a franchise utility.



Second entrance

Perimeter controls...silt fence, coir logs, silt trap...developers' choice. But do something!







This is a photo from "Tulsa's Physical Environment" published by Tulsa Geologic Society in the early 70's...we still have this issue.

Outfalls to the storm water system









Good Housekeeping?







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**Corrective Action
Notice of Non-compliance**

Corrective Action is required on your construction site. These Actions are required to be completed within 5 (five) calendar days from the receipt of this notice. The requirements set forth in the OKR10 shall be enforced.

Project:		Date:		Time:		Inspector:	
Owner/Developer:				Contact:			
Builder:				Contact:			

What site conditions triggered the requirement to conduct corrective action/NOV?

<input type="checkbox"/>	Required stormwater control was never installed or was installed incorrectly, or not in accordance with OKR10 permit requirements.
<input type="checkbox"/>	A stormwater control is not effective to meet applicable water quality standards
<input type="checkbox"/>	A prohibited discharge is occurring or has occurred.
<input type="checkbox"/>	Permit Violation(s) discovered during inspections.

Provide a description of the problem:

Deadline for completing corrective actions: Not more than 5 days from receipt of this notice

Why did the problem occur?

How was the cause determined?

Will existing BMPs/Controls need to be modified?

Will the existing SPPP need to be modified?

Actions Required:

Signature: _____ **Date:** _____



Corrective Action Notice of Violation

Corrective Action is required on your construction site. These Actions are required to be completed within 48 hours from the receipt of this notice. The requirements set forth in the OKR10 shall be enforced.

Project:		Date:		Time:		Inspector:	
Owner/Developer:				Contact:			
Builder:				Contact:			

What site conditions triggered the requirement to conduct corrective action/NOV?

<input type="checkbox"/>	Required stormwater control was never installed or was installed incorrectly, or not in accordance with OKR10 permit requirements.
<input type="checkbox"/>	A stormwater control is not effective to meet applicable water quality standards
<input type="checkbox"/>	A prohibited discharge is occurring or has occurred.
<input type="checkbox"/>	Permit Violation(s) discovered during inspections.

Provide a description of the problem:

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Deadline for completing corrective actions: **Not more than 48 hours from receipt of this notice**

Why did the problem occur?

How was the cause determined?

Will existing BMPs/Controls need to be modified?

Will the existing SPPP need to be modified?

Actions Required:

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Signature: _____ Date: _____



Corrective Action Notice of Violation

Corrective Action is required on your construction site. This is the third notice corrective actions are required to be completed within 24 hours from the receipt of this notice. The requirements set forth in the OKR10 shall be enforced.

Project:		Date:		Time:		Inspector:	
Owner/Developer:				Contact:			
Builder:				Contact:			

What site conditions triggered the requirement to conduct corrective action/NOV?

<input type="checkbox"/>	Required stormwater control was never installed or was installed incorrectly, or not in accordance with OKR10 permit requirements.
<input type="checkbox"/>	A stormwater control is not effective to meet applicable water quality standards
<input type="checkbox"/>	A prohibited discharge is occurring or has occurred.
<input type="checkbox"/>	Permit Violation(s) discovered during inspections.

Provide a description of the problem:

Deadline for completing corrective actions: Not more than 24 hours from receipt of this notice

Why did the problem occur?

How was the cause determined?

Will existing BMPs/Controls need to be modified?

Will the existing SPPP need to be modified?

Actions Required:

Signature: _____ Date: _____



June 14, 2021

To: [REDACTED]
From: Office of Stormwater Management

Re: Construction and Development Erosion and Pollution Control

On June 1, 2021 the City of Broken Arrow was issued the State of Oklahoma's Department of Environmental Quality's *2021 General Permit OKR04, Phase II Small Municipal Separate Storm Sewer System Discharges Within the State of Oklahoma*. This Permit charges municipalities with the responsibility to control discharges to the "Waters of the State" within their corporate boundaries that could potentially contain various pollutants. Sediment (among other types of non-stormwater material) is a water pollutant as defined by the *Clean Water Act*.

In the MCM4 Section of the *OKR04*, (MCM is the Minimum Control Measure for Construction Site Stormwater Runoff Control) the Permit requires that the municipalities implement and enforce a program to reduce pollutants in all stormwater runoff to the MS4 from construction activities. At a minimum, the program requirements shall be consistent with the *OKR10 General Permit for Stormwater Discharges from Construction Activities*. Currently the October 2017 Permit is in effect, there is a draft version of the 2022 OKR10 currently under review.

The City of Broken Arrow requires erosion, sediment and pollution controls on all construction/development sites. This will include maintenance on those BMPs installed if required. Inspections of those BMPs will be conducted by a "qualified person" on your Stormwater Team as set forth in your SWPPP. Personnel from the City of Broken Arrow's Office of Stormwater Management will periodically inspect and review the site and those inspection files created by the responsible party listed in the stormwater pollution prevention plan.

All BMPs noted on the Erosion Control Sections of the Broken Arrow Development Services approved plans need to be installed (if applicable) by July 10th, 2021. Maintenance of the erosion control, including dust control will be inspected on a regular basis.

Enhanced controls may be needed on discharges from construction projects to impaired creeks and streams to comply with the requirements set forth by the impairment.

Office of Stormwater Management
City of Broken Arrow



April 5, 2022

[REDACTED]
[REDACTED]

Broken Arrow, OK 74012

RE: NOTICE OF VIOLATION, EROSION AND POLLUTION CONTROLS

The City of Broken Arrow has issued a NOTICE OF VIOLATION on the erosion, siltation and pollution controls on your residential site project, [REDACTED] Subdivision.

Field investigations have noted continuing erosion, siltation and pollution control compliance failures on this construction project, there is also a great deal of blowing construction debris located north of the project along [REDACTED]

The City of Broken Arrow Code of Ordinances require developers and builders to provide and maintain the necessary erosion, siltation, and pollution controls on construction sites. The developer and/or builder must also meet or exceed goals set forth in the City of Broken Arrow's Design Criteria Manual and the Stormwater Management Ordinance requirements.

Whiskey Ridge LLC. is required to remediate the issues immediately. All building inspections shall cease until the site has achieved compliance with the Oklahoma Dept. of Environmental Quality's OKR10, the City of Broken Arrow's Stormwater Management Ordinances, and the City of Broken Arrow's Design Criteria Manual.

If you have further questions, you can contact me at pwilson@brokenarrowok.gov or at (918) 259-7000 ext. 5243.

Sincerely,
City of Broken Arrow

Patrick P. Wilson, PE, CFM Stormwater Manager



June 7, 2023

[REDACTED]
[REDACTED]
[REDACTED]

Tulsa, OK 74137

RE: NOTICE OF VIOLATION, STOP WORK ORDER EROSION AND POLLUTION CONTROLS

The City of Broken Arrow has issued a **STOP WORK ORDER** on the project [REDACTED] development. The **STOP WORK ORDER** includes all building construction and all site work, with the exception for work on compliance to the **Corrective Action Notice** and franchise utility work. No new building permits will be issued. No inspections will be performed.

Several Corrective Action Notices/NOVs have been issued for this site. To date no corrective actions have taken place. Field investigations have noted failure to comply with erosion and pollution controls on this project site.

The site requires permanent stabilization of the project to a minimum of 70%. It also noted the failure to install and maintain BMPs as required for this property. There are no perimeter controls installed to prevent the loss of sediment into the stormwater conveyance system along City streets. It is unclear if there is a failure of the underground collection system (storm pipes) due to sediment build up within that system. Detention facilities are required to have sod placed and secured on the slopes. The streets shall be cleaned (DO NOT wash sediment into the storm sewer inlets), the storm sewers shall be inspected. The inspection report shall be submitted to the Stormwater Division Manager. Any and all sediment or other debris shall be removed from the stormwater system.

The City of Broken Arrow Code of Ordinances require developers and builders to provide and maintain the necessary erosion, siltation, and pollution controls on construction sites. The developer and/or builder must meet or exceed goals set forth in the City of Broken Arrow's Design Criteria Manual and the Stormwater Management Ordinance requirements.

Precision Project Management, Inc. is required to remediate the issues before the **STOP WORK ORDER** is lifted. Violations are a Class A offense per City of Broken Arrow Ordinance.

If you have further questions, you can contact me at pwilson@brokenarrowok.gov or at (918) 259-7000 ext. 5243.

Sincerely,
City of Broken Arrow

Patrick P. Wilson, PE, CFM Stormwater Manager

Cc: Kenneth Schwab, PE, CFM, Assistant City Manager – Operations
Ethan J.L. Edwards, PE, Director of Engineering & Construction

And where does it go?

