

State Environmental Laboratory

Table of common parameters and information for sample collection and handling.*

Proper containers and preservatives are provided by the laboratory.

TEST/ ANALYTE/ PARAMETER	HOLD TIME ¹	STORAGE	PRESERVATIVE
Ammonia	28 days	On Ice	H2SO4
Biological Oxygen Demand	48 hours	On Ice	None
Dissolved Oxygen	15 minutes	Room Temp.	None
E. coli, MPN	6 hours	On Ice	None
Enterococ, MPN	6 hours	On Ice	None
Oil and Grease	28 days	On Ice	HCl
pH	15 minutes	Room Temp.	None
Total Suspended Solids	7 days	On Ice	None

*Note: Other laboratories may use alternate methods that require different containers, hold times, storage conditions and preservatives.

¹Hold times are applicable only if proper preservation and sample storage conditions are met. Deliver samples as soon as possible to the laboratory.

Contact Information

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Industrial Stormwater Sampling FAQs



1 How do I sign up to submit my Discharge Monitoring Reports (DMRs) electronically?

Go to the following link <http://www.deq.state.ok.us/wgdnew/ereporting/index.html>, this will show you how to sign up and submit DMRs whether you are a preparer or signatory. To submit DMRs visit <https://applications.deq.ok.gov/ers>. If you have questions please contact Keri Jernigan at (405) 702-6206.

2 How do I find an accredited lab to analyze my samples?

In addition to the State Environmental Lab (SEL) located in Oklahoma City, there are several accredited labs throughout the state that can support stormwater analytical needs. Go to the following link to search for laboratories: <https://go.usa.gov/xEgV5>. Labs must use the approved methodologies found at 40 CFR Part 136. If you have questions regarding accredited laboratories, contact DEQ Lab Accreditation at (866) 412-3057.

Helpful Hint: To ensure your chosen laboratory is accredited, you can request a copy of their Scope of Accreditation showing they are certified to analyze environmental samples for the testing your permit requires. For general lab questions contact the SEL at their main number 866-412-3057.

3 Where do I get sample containers?

Contact your laboratory of choice for sampling materials and information on sampling protocols. You will need containers and sampling instructions on-hand prior to a stormwater discharge event. If using the SEL, you may contact the lab at (866) 412-3057 or email selsd@deq.ok.gov to request sampling supplies.

Important: Inform the laboratory that these samples are for industrial stormwater compliance.

Helpful Hint: Check your lab's hours of operation for sample delivery times.

4 I have to test for pH or Dissolved Oxygen which have very short holding times. What do I do if I can't get my samples to a laboratory in that time?

If you are unable to get the samples to an accredited laboratory within the required testing timeframe there are two options.

1. You can contact a laboratory to see if they offer on-site testing services.
2. You can become accredited yourself to test for these parameters with short holding times.

If you have any questions contact DEQ at (405) 702-6100.

5 I took the required samples based on my proximity to an impaired stream last year and pollutants were not detected or were at very low levels. How do I discontinue monitoring for these pollutants?

In order to discontinue monitoring you must notify DEQ in writing and maintain supporting documentation in your Stormwater Pollution Prevention Plan. This includes an explanation as to why these pollutants are not related to your industrial activity and data that shows any pollutants in your discharge are caused by background sources. (See Part 7.2.3 of OKR05 Multi-Sector General Permit)

For additional information regarding sampling guidance review EPA's Monitoring and Sampling guide at <https://go.usa.gov/xEgW3>.