



**Aquifer Water Quality Standards (AWQS) Permittee Meeting:  
AWQS Amendments: Baseline Monitoring, Amendment  
Schedule Timelines, Guidance Documents and Questions**

Water Quality Division  
Sept. 3, 2025  
8:30 a.m. - 9:30 a.m.

# Introductions



Randy Matas,  
Deputy Director  
Water Quality  
Division

# AWQS TEAM MEMBERS



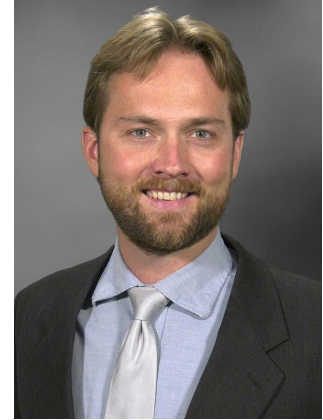
Rhona Mallea  
*Senior Project  
Manager  
Water Quality Division*



Dan Reeder  
*Principal Hydrogeologist  
Water Quality Division*



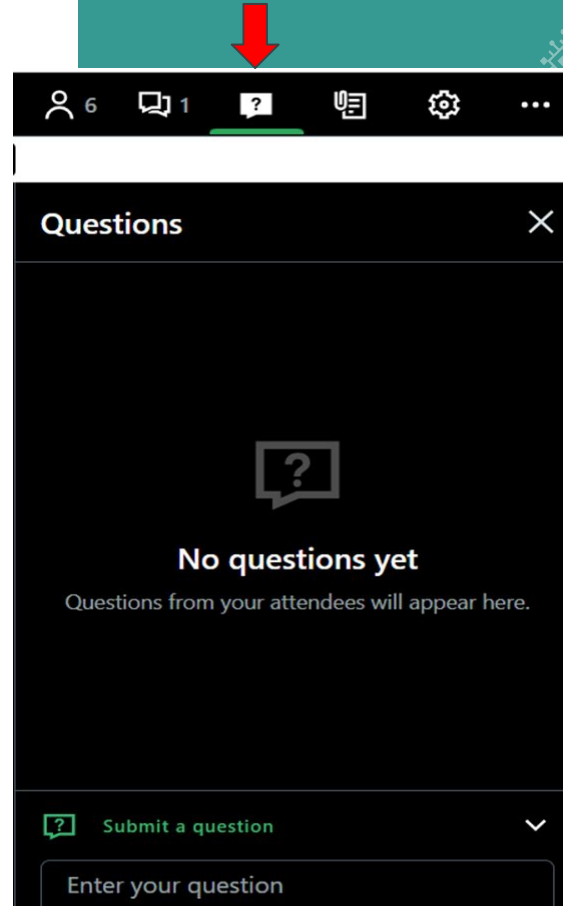
Kelly Hermanson, RG  
*Senior Hydrogeologist  
Water Quality Division*



Jon Rezabek  
*Legal Specialist  
Rule Writer  
Water Quality Division*

# Webinar Orientation

- Muted
- Not Recording
- Questions



# Agenda

- Welcome and Introductions
- Review Agenda
- Baseline Monitoring Requirements
- APP Permit Amendment Schedule (Phases)
- New or Adjusted AWQS Guidance
- Frequently Asked Questions (FAQs)
- Online Resources and Contacts
- Questions



# New or Adjusted AWQS

<b><u>Pollutant</u></b>	<b><u>Previous AWQS</u></b>	<b><u>New or Adjusted AWQS</u></b>
<b>Arsenic</b>	0.05 mg/L	0.010 mg/L
<b>Bromate</b>	None	0.010 mg/L
<b>Chlorite</b>	None	1.0 mg/L
<b>Haloacetic Acids</b>	None	0.060 mg/L
<b>Microbiological Contaminants</b>	1	2
<b>Total Trihalomethanes</b>	0.1 mg/L	0.080 mg/L
<b>Uranium</b>	None	0.030 mg/L

<sup>1</sup> From a requirement to utilize Total Coliform as an indicator parameter in the routine & repeat compliance sampling orientation. (See R18-11-406(F) & 40 CFR 141.63)

<sup>2</sup> To a requirement of either Fecal Coliform or *E. coli* indicator parameters in the routine & repeat compliance sampling orientation.



# Baseline Monitoring

**Implementation Rule: R18-9-A215(C)** – *Persons with issued individual permits as of a new or adjusted AWQS effective date shall begin Baseline Monitoring, pursuant to subsection (E) below, for a new or adjusted AWQS within three months...*

- Unless:
  - The permit has no ongoing monitoring requirements,
  - The permittee has not begun ongoing monitoring,
  - The permittee has submitted an Alternative Baseline Monitoring Request
  - The permittee has submitted an Unlikely to be Present in the Discharge Demonstration

**Effective Date: Aug. 4, 2025**

**Begin baseline monitoring by Nov. 4, 2025**

# Baseline Monitoring Requirements

Start baseline monitoring for new or adjusted AWQS within three months of effective date in rule (between Aug. 4 and Nov. 4, 2025).

- Permits with only discharge monitoring
  - One year, 12 monthly samples, at permitted monitoring location
- Permits with only groundwater monitoring
  - Two years, 8 quarterly samples, at permitted monitoring location
- Permits with both discharge and groundwater monitoring
- Permits without discharge or groundwater monitoring
  - Approx. 50 permits
  - Meet with ADEQ
  - Potential discharge characterization
- Can use prior collected samples/monitoring in accordance w/A215(E)(3)

# Alternative Baseline Monitoring Commencement, Timeframe, Duration and/or Frequency

**Implementation Rule: R18-9-A215(D)** – *Permittees subject to Baseline Monitoring may submit a request to conduct Baseline Monitoring under an alternative timeframe, monitoring duration and/or sampling frequency within three months of a new or adjusted AWQS effective date with reasonable cause for the request included therein.*

- Fill out and submit the **Alternative Baseline Monitoring Meeting** form.



[bit.ly/45TT7XQ](https://bit.ly/45TT7XQ)

# Unlikely to be Present in Discharge Demonstration

**Implementation Rule: R18-9-A215(H)** – “A pollutant with a new or adjusted AWQS shall be removed from the scope of Baseline Monitoring upon a demonstration that the pollutant is not likely to be present in a facility’s discharge.

The Department may require a permittee to begin Baseline Monitoring for a pollutant with a new or adjusted AWQS after review of the demonstration if the Department has a reasonable basis to believe the pollutant is, or is likely to be, present in the facility’s discharge.

Demonstrations may include, but are not limited to:

- A characterization of the facility’s discharge in relation to the pollutant with a new or adjusted AWQS;
- Past monitoring and sampling data at the facility and the facility’s site; or
- Process or other information demonstrating that the pollutant is not used or generated at the site or is otherwise not likely to be present in discharges at the site.”

# Baseline Monitoring Report, Department Review and Potential Permit Amendment

## Implementation Rule: R18-9-A215(F) and (G)

- At the conclusion of Baseline Monitoring, compile/develop the Baseline Monitoring Report.
- After the Baseline Monitoring Report is completed, submit an application for permit amendment to reflect the new or adjusted AWQs in the permit.
  - Submit during the time range specified in the Permit Amendment Schedule (a.k.a. - the Phase).
- Department reviews, processes and determines whether new Alert Levels, Discharge Limits or Aquifer Quality Limits are necessary for the new or adjusted AWQs for the permitted facility(s).



# How will my Individual APP permit be affected?

- The implementation rule requires most individual APP permittees to take action of some kind.

The extent of which is detailed in the implementation rule.

- Implementation Rule: A.A.C. R18-9-A215.

New or Adjusted Aquifer Water Quality Standards



# Fees

## How much will my permit amendment cost?

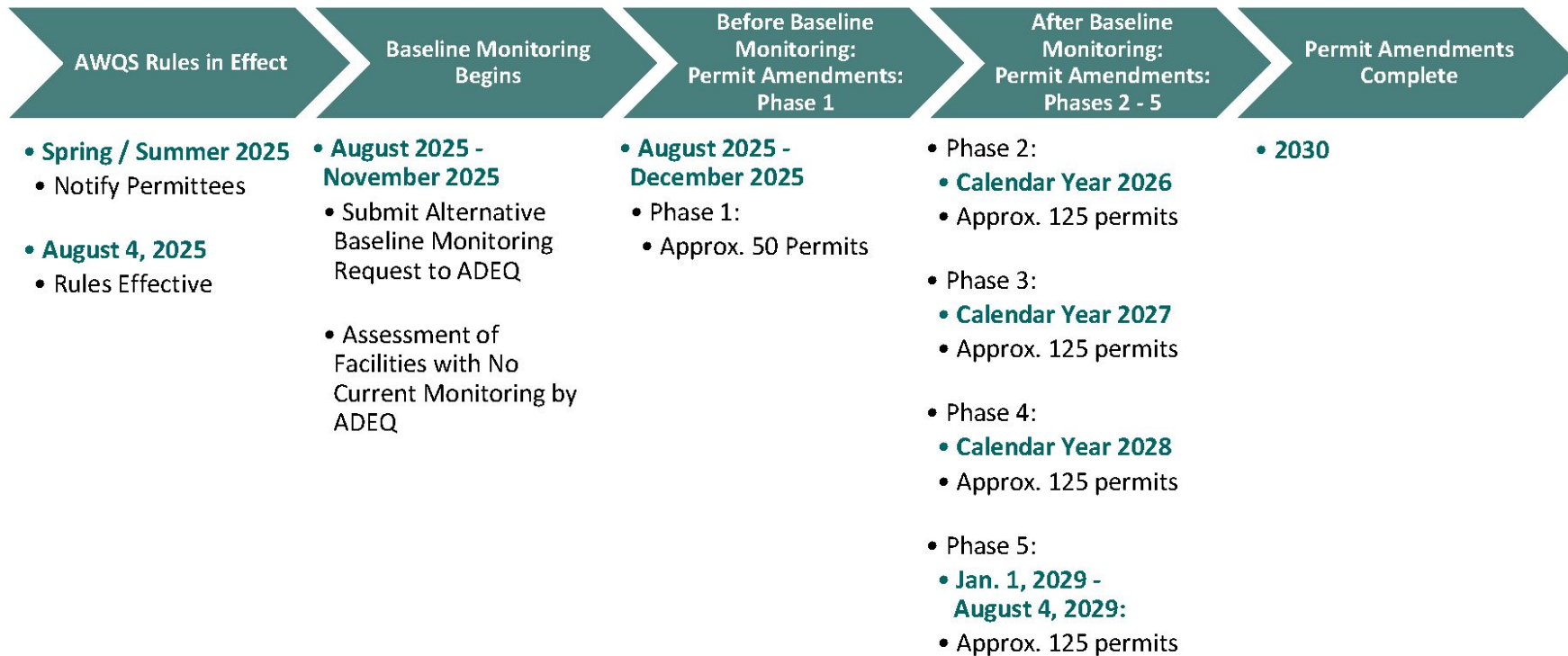
- The cost depends on how long it takes ADEQ staff to review your amendment application, determine whether new or adjusted limits are necessary and then issue the amended permit.
- For example; an hourly rate at \$180 with a review time of 10 hours would cost \$1,800. If the application is more complex or there are additional issues that need correction, the cost may be higher – but it will not go over the legal maximum set in rule.





# Individual APP Permit Amendment Schedule

Approx. ~500 Permits



# Phase Assignment

Approx. ~500 Permits

- **Phase 1** - Aug. 4 through Dec. 31, 2025:
  - No discharge or groundwater monitoring req. in permit
- **Phase 2** - Jan. 1 through Dec. 31, 2026:
  - Only discharge monitoring req.
- **Phase 3** - Jan. 1 through Dec. 31, 2027:
  - Only discharge monitoring req.
- **Phase 4** - Jan. 1 through Dec. 31, 2028:
  - Only groundwater monitoring or groundwater & discharge monitoring req.
- **Phase 5** - Jan. 1 through Aug. 4, 2029:
  - Only groundwater monitoring or groundwater & discharge monitoring req.



[bit.ly/AWQS-resources](https://bit.ly/AWQS-resources)

\* Standard Baseline Monitoring timeframes: Discharge - 1 Year; Groundwater - 2 Years

\* Standard Baseline Monitoring Commencement per implementation rule: Between August 4th & November 4th, 2025

# New or Adjusted AWQS: Process Flow Chart

[bit.ly/AWQS\\_flowchart](https://bit.ly/AWQS_flowchart)



# Amendment Phases Location

— ACTIVE RULEMAKING

## Resources | Aquifer Water Quality Standards Update

Revised On: Jun. 25th, 2025 - 01:40 pm

Aquifer Water Quality Standards (AWQS) Update Rulemaking Page | [View >](#)

- [Fact Sheet | View >](#)

### Draft Rule

- [Draft AWQS Rule | View >](#)
- [Draft AWQS Implementation Plan | View >](#)

Contact Us



— NEW OR ADJUSTED

### AWQS Permit Amendment Submission Schedule

- [Phase 1 >](#)
- [Phase 2 >](#)
- [Phase 3 >](#)
- [Phase 4 >](#)
- [Phase 5 >](#)



[bit.ly/AWQS-resources](https://bit.ly/AWQS-resources)

# AWQS Guidance Documents

- Alternative Baseline Monitoring Request Guidance Document
- Unlikely to be Present in Discharge Demonstration Guidance Document
- New or Adjusted AWQS Baseline Monitoring Report Template
- New AWQS Rule Flow Chart

Update myDEQ: mySETTINGS\_myCOMPANY details



[bit.ly/AWQS-resources](https://bit.ly/AWQS-resources)



# Frequently Asked Questions



[azdeq.gov/awqs-faqs](https://azdeq.gov/awqs-faqs)



# Pre-Application Meeting

ADEQ recommends all applicable permittees schedule a Pre-Application meeting to discuss the scheduled amendment as soon as possible.

Please fill out and submit a Pre-Application online form

[bit.ly/425fskb](https://bit.ly/425fskb)



Especially those permits in Phase 1

- Phase 1 Amendment Submission Range:
  - Aug. 4 through Dec. 31, 2025



# Resources

- Active Rulemaking Webpage
  - [azdeq.gov/awqs-update-active-rulemaking](https://azdeq.gov/awqs-update-active-rulemaking)
- AWQS Frequently Asked Questions (FAQ's)
  - [azdeq.gov/awqs-faqs](https://azdeq.gov/awqs-faqs)
- AWQS Rulemaking Resources Webpage (today's Presentation to be posted there)
  - [bit.ly/AWQS-resources](https://bit.ly/AWQS-resources)
- Program Email
  - [AWQS@azdeq.gov](mailto:AWQS@azdeq.gov)

# ADEQ Contacts

- **Randall Matas, WQD Deputy Director**
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  - (602) 615-2306
- **Rhona Mallea, AWQS Project Manager**
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  - (602) 771-4492
- **Jon Rezabek, AWQS Rule Writer**
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  - (602) 771-8219

# Questions?

