



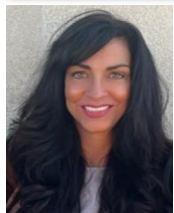
Advanced Water Purification (AWP): Implementation Update Rulemaking

Water Quality Division
June 25, 2026

AWP Team



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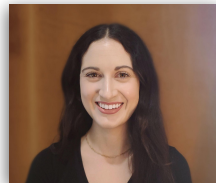
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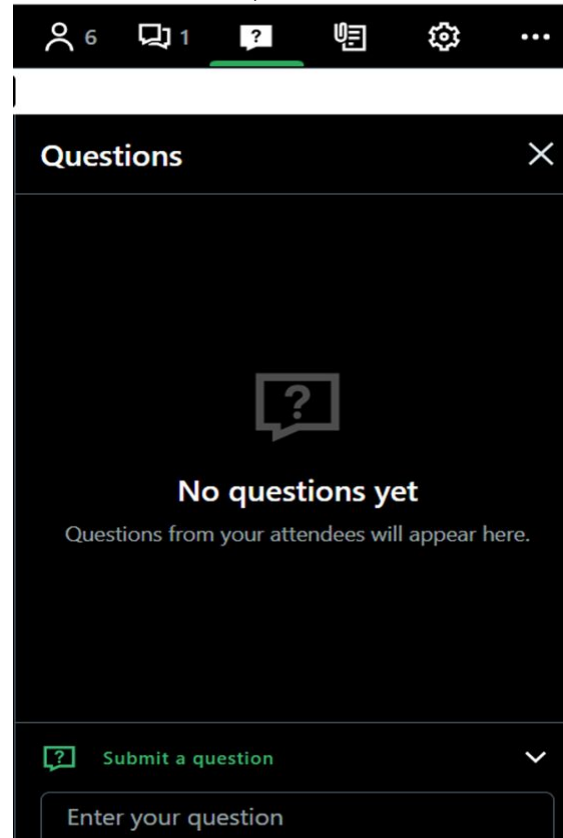
Agenda

- Welcome and Introduction
- Program History
- Rulemaking Background
- Tier 2 - Chemical Control
- Demonstration Permit
- Operator Certification
- Operator Certification Fees
- Licensing Time-Frames
- Miscellaneous Updates
- Rulemaking Timeline
- Next Steps - Comment Period
- Questions



Webinar Orientation

- Muted
- Not Recording
- Questions



Advanced Water Purification Program History

- **2022**
 - A.R.S. § 49-211 passed by Arizona Legislature mandating ADEQ create AWP
- **2023 & 2024**
 - ADEQ meets w/Technical Advisory Group, Stakeholders, Public
 - ADEQ drafts & refines AWP rules
- **2025**
 - AWP regulatory program becomes effective in Arizona Administrative Code (March 2025)
- **2026**
 - ADEQ begins “Implementation Update” rulemaking
 - Limited scope

Implementation Update Rulemaking

- Meetings with prospective applicants led to the identification of opportunities to clarify & streamline the rule while maintaining the program's protections.
- Limited Scope:
 - Primary:
 - Tier 2 Chemical Control
 - Demonstration Permit
 - Operator Certification
 - Secondary:
 - Miscellaneous

Tier 2 - Chemical Control

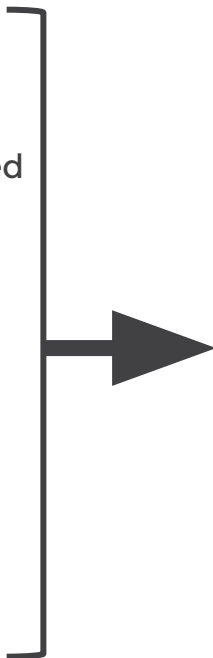
Revision Objectives

- Optimize:
 - Chemical Inventory,
 - Chemical Health Risk Analysis, and
 - Tier 2 Chemical Designation processes.
- Maintain rule's protection of public health.

Tier 2 - Chemical Control -

Current Rule:

- Non-Domestic Discharger Scope
- “Used”, “Stored”, “Discharged”: Undefined
- Which testing methods?
- 1: Projected Daily Concentration;
2: Health Advisory identification
- Projected Daily Concentration approach only
- Individual discharger analysis only
- Non-Health Advisory: Bioassay



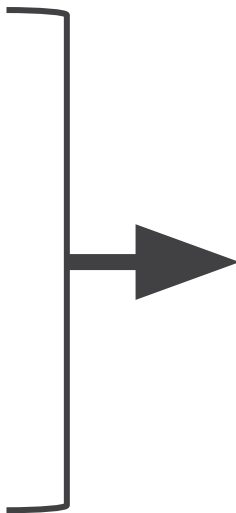
Draft Rule:

- Potentially Impactful Non-Domestic Discharger Scope
- “Used”, “Stored”, “Discharged”: Defined
- “Available testing method” only
- 1: Health Advisory identification;
2: Projected Daily Concentration
- Projected Daily Concentration or
Actual Daily Concentration approach
- Individual & Class-Representative discharger analysis
- Non-Health Advisory: Bioassay not required

Demonstration Permit

Current Rule:

- Application Requirements:
 - Includes everything except Full-Scale Verification
- Piloting requirement
 - 6 month min.
- AWP Operator



Draft Rule:

- Application Requirements:
 - Includes: Pathogen control, Tier 1, Critical Control Points
 - Excludes: Any other requirement at the director's discretion
- Piloting requirement
 - case-by-case min.
- AWP Provisional Operator

AWP Operator Certification

Current Rule:

- “Direct Responsible Charge”
- Separate Committee
- Onsite: 2 of 3 Shifts
 - Alt. Req. Standard:
 - equivalent degree of operational oversight



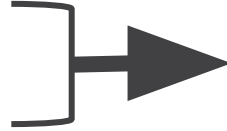
Draft Rule:

- “Chief Operator”
- Merged Committee
- Onsite: At all times*
 - *Alt. Req. Standard:
 - reasonable degree of operational oversight

Operator Certification Fees

Current Rule:

- No Fees for Examination & Certification



Draft Rule:

- Fees - Examination & Certification:
 - Exam: \$250
 - Provisional Cert.: \$90
 - Op. Cert.: \$90
 - Reciprocity: \$340
 - Renewal: \$60

Licensing Time-Frames (LTFs)

ADVANCED WATER PURIFICATION PERMITS				
Permit Type	Authority	Administrative Completeness Review (ACR)	Substantive Review (SR)	Overall Time Frame (OTF)
Full-Scale Permit No public hearing Public hearing	A.R.S. §§ 49-211 18 A.A.C. 9, Article 8	35 35	249 294 ¹	284 329
Full-Scale Permit Renewal No public hearing Public hearing	A.R.S. §§ 49-211 18 A.A.C. 9, Article 8	35 35	186 231 ¹	221 266
Full-Scale Permit Significant Amendment No public hearing Public hearing	A.R.S. §§ 49-211 18 A.A.C. 9, Article 8	35 35	249 294 ¹	284 329
Demonstration Permit No public hearing Public hearing	A.R.S. §§ 49-211 18 A.A.C. 9, Article 8	35 35	249 145 294 195 ¹	284 180 329 220
Demonstration Permit Renewal <u>No public hearing</u> <u>Public hearing</u>	<u>A.R.S. §§ 49-211</u> <u>18 A.A.C. 9, Article 8</u>	<u>35</u> <u>35</u>	<u>109</u> <u>154</u> ¹	<u>144</u> <u>189</u>
Demonstration Permit Significant Amendment No public hearing Public hearing	A.R.S. §§ 49-211 18 A.A.C. 9, Article 8	35 35	186 109 231 154 ¹	221 144 266 189
Minor Amendment - Full-Scale and Demonstration Permit	A.R.S. §§ 49-211 18 A.A.C. 9, Article 8	35	100	135

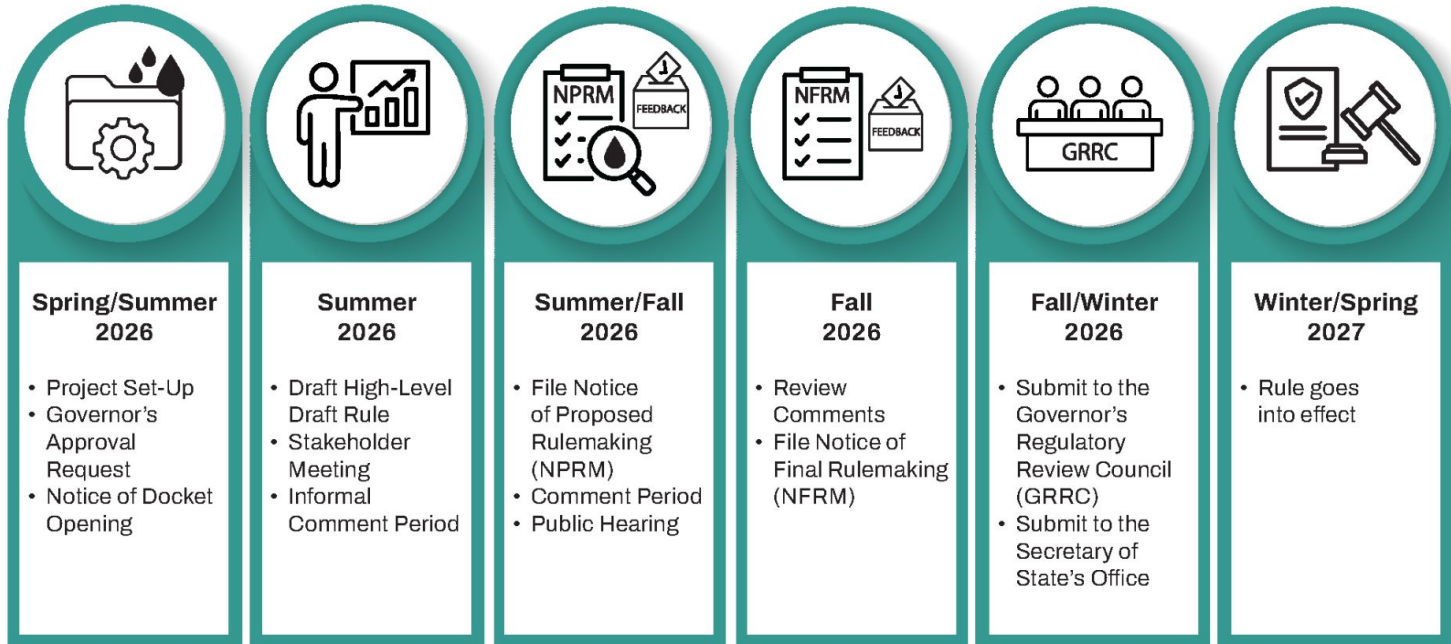
¹ A request for a public hearing allows the Department 60 days to publish the notice of public hearing and for the official comment period. Forty-five business days are added to the substantive review time-frame.

Miscellaneous Updates

- **Definitions:** Advanced treated water augmentation, AWP permit, Available testing method, Bench Scale, Class-representative, EPDS, Existing Validation Study, Finished Water Augmentation, On-Site Validation Study.
- **Applicability & Prohibitions:** Additional applicability & prohibition language; Merged all existing prohibitions into one section for clarity
- **Enhanced Source Control:** Restructured for organizational clarity
- **Minimum Design Requirements:**
 - Pathogen Removal Credits
 - Existing Validation Studies
 - On-Site Validation Studies
 - Treated Wastewater Conveyance



Rulemaking Timeline



Comments Welcome

Comment Period: June 22, 2026 - July 20, 2026

Draft Rule: bit.ly/AWP-DraftRules-2026

Where to Submit: AWP@azdeq.gov

Comment Submission Guidance:

- Name/Organization
- Rule Section/Citation
- Recommended Change/Comment
- Justification for Recommendation



AWP Rulemaking Online Resources

Rulemaking Webpage

azdeq.gov/active-rulemakings

Rulemaking Resources

azdeq.gov/rulemaking/awp-implementation-update



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Questions?

