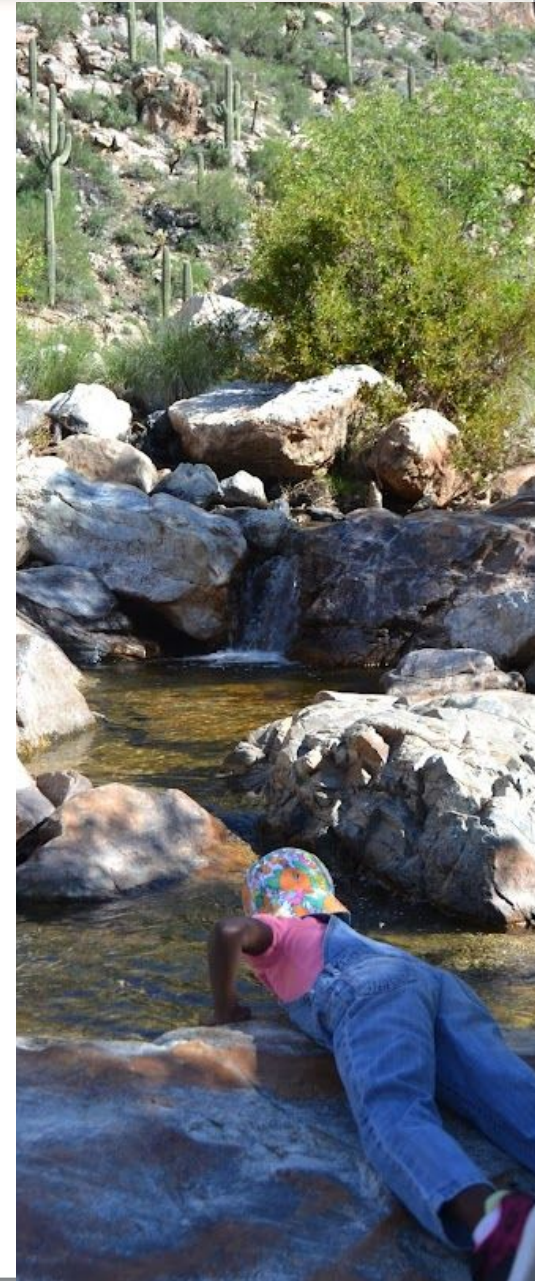


Triennial Review & State Rulemaking

August 2023



- Introduction
- Triennial Review Requirement
- Colorado River Salinity Standard
- R18-11 Article 1 Current State
- R18-11 Article 1 Rulemaking Goals
- Proposed Timeline
- Calculating Numeric Criteria
- On Deck
- Where to find documents



ADEQ Triennial Review Team



Erin Jordan



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What is Triennial Review? What is it not?

Requirement of the Clean Water Act (40 CFR 131.20)

- Review federal water quality standards at least once every 3 years
- Must accept public input on existing federal rules at least one every three years

It is NOT rulemaking.



What is ADEQ doing to implement TR input?

2023



2024



2025



Out of Scope | Jurisdiction of specific waters

DITAT DEUS



- No plans to revisit jurisdiction
- Permits will review on case-by-case basis
- Focus on science-based thresholds for flow permanence



Colorado River Salinity Standard Triennial Review No change

Numeric Criteria:

- Below Hoover Dam 723 mg/L
- Below Parker Dam 747 mg/L
- At Imperial Dam 879 mg/L

Comments due by September 15

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Human Health



Definitions,
Antidegradation,
Mixing Zones,
Variances



Aquatic & Wildlife

Current State | Rules In Effect

STANDARD	CURRENT EFFECTIVE VERSION AS OF 2/2022	VERSION TO BE EFFECTIVE WHEN SWPP IS ADOPTED
Individual Parameters for Domestic Water Source Use	2016	2016
Individual Parameters for Fish Consumption	2016	2016
Individual Parameters for Full-Body Contact	2016	2016
Individual Parameters for Partial Body Contact	2016	2016
Individual Parameters for Aquatic and Wildlife Uses	2016	2019*
Individual Parameters for Agricultural Irrigation Use	2016	2019*
Individual Parameters for Agricultural Livestock Use	2016	2019*
R18-11-101. Definitions	2019	2019
R18-11-107. Antidegradation	2019	2019
R18-11-114. Mixing Zones	2019	2019
R18-11-122. Variances	2019	2019

*PENDING EPA APPROVAL

- Update numeric criteria in Appendix A for Human Health & Safety Designated Uses
- Update Appendix B to reflect select waterbody descriptions



2023 Standards Rulemaking | Timeline

DITAT DEUS

**August
2023**

Draft Notice
of Proposed
Rulemaking
(NPRM)
Preamble

**October 13,
2023**

Informal
Input Due on
Preamble

**Late October
2023**

Publish NPRM
in Arizona
Administrative
Register

**Fall/Winter
2023**

Public
Hearing &
Public
Comments
on NPRM

**Spring
2023**

Publish Notice
of Final
Rulemaking
(NFRM) in
Arizona
Administrative
Register

**Summer
2023**

Submit to
EPA for
review and
approval



Body Weight Consumption Rates	Cancer Risk Toxicity
--	---------------------------------

DWS - For Non-Carcinogens:

$$((RfD * BW * RSC) / DWS \text{ CR})$$

DWS - For Carcinogens:

$$(BW * Risk) / (OCSF * DWS \text{ CR})$$

FC - For Carcinogens using Bioconcentration Factor:

$$(BW * Risk) / (OCSF * FC * BCF)$$

FC - For Carcinogens using Bioaccumulation Factor:

$$(((Risk / OCSF) * BW) / ((FC \text{ TL2} * \text{TL2 BAF}) + (FC \text{ TL3} * \text{TL3 BAF}) + (FC \text{ TL4} * \text{TL4 BAF})))$$

FC - For Non-carcinogens using Bioconcentration Factor:

$$((RfD * RSC * BW) / (FC * BCF))$$

FC - For Non-carcinogens using Bioaccumulation Factor:

$$(RfD * RSC * BW) / ((FC \text{ TL2} * \text{TL2 BAF}) + (FC \text{ TL3} * \text{TL3 BAF}) + (FC \text{ TL4} * \text{TL4 BAF}))$$

Proposed criteria:

- Not currently projected to increase permit stringency
- May require more sensitive testing methods in some cases



Surface Water Protection Program

Impaired Waters Identification Rule



Documents will be emailed
Subscribe at [azdeq.gov](https://www.azdeq.gov)

Email comments to
waterqualitystandards@azdeq.gov



Thank you for your time and consideration.