

Arsenic Guidance Document Development February 14, 2023



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

Agenda

- Welcome and Introductions
- Background
- Summary of First Draft
- High Level Overview
- Open Discussion
- Areas That Require Clarification
- Next Steps





History of Arsenic Criteria in Idaho

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Revisions to Idaho's arsenic human health criteria

	1992	1995	1999	2010	2016	2018	2022
	National Toxics Rule	Idaho Revises	Idaho Adopts MCL	Idaho Revises to New MCL	EPA Reconsiders and Disapproves	Idaho Initiates Rulemaking	Idaho Board Adoption
Water and Fish ($\mu\text{g/L}$)	0.018	0.02	50	10	10	Under Development	10
Fish Only ($\mu\text{g/L}$)	0.14	6.2	50	10	10	Under Development	Fish tissue 8.0 $\mu\text{g/kg}$ Water column 4.3 $\mu\text{g/L}$



Summary of pending rule

Summary

- Fish Only Criteria has two elements: fish tissue criterion of 8.0 $\mu\text{g}/\text{kg}$ and water column criterion of 4.3 $\mu\text{g}/\text{L}$, derived from Idaho-specific exposure factors to protect human health and recreational use in Idaho.
- Fish tissue element supersedes water column; fish tissue element translates to water column target using site specific bioaccumulation data.
- If sufficient fish tissue data are not available, the water column criterion of 4.3 $\mu\text{g}/\text{L}$ would apply.

Chapters

- Background
- Bioaccumulation Factor
- Human Health Water Quality Criteria for Arsenic
- Site Specific Options
- General Implementation for Human Health Criteria
- Fishless Waters
- Antidegradation
- IR report
- TMDL Process
- IPDES

Chapters That May Need Expanded

- Bioaccumulation Factor
- Water Column Translation
- Definition of Waterbody
- TMDL Section

First Draft of the Document

Draft No. 1- Implementation Guidance for Idaho's Human Health Water Quality Criteria for Arsenic



Water Quality: Docket No. 58-0102-2201- Pending Rule

State of Idaho
Department of Environmental Quality



DATE *(to be added later)*

Next Steps

- Comments to DEQ on the first draft
 - February 28, 2023
- Address comments
 - March, 2023
- Second Draft out for review
 - April 2023
- Third working group meeting
 - May 2023
- Address comments
 - June 2023
- Final draft out for 30-day public review early July.
- Address comments and submit to EPA Early fall 2023.



Thank you.

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