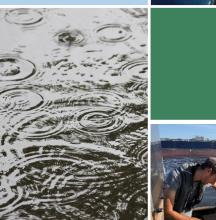


# DRBC Water Quality Criteria Updates - *Toxics*



Water Quality Advisory Committee



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Presented to an advisory committee of the DRBC on September 15, 2025. Contents should not be published or re-posted in whole or in part without the permission of DRBC.

## DRBC Water Quality Criteria 101

- DRBC has a water quality mission from our Compact
- DRBC Stream Quality Objectives (Criteria) originated independently of the Clean Water
   Act
  - Explains why DRBC has done things differently over the decades
  - DRBC supports the Clean Water Act
  - DRBC does not perform triennial review
- DRBC Toxics criteria are nuanced
  - Applicable in Mainstem Zones 2-6
  - Do not apply to Zone 1 (Trenton to the headwaters).
  - Therefore, DRBC toxics criteria do not apply to all states
- States go first approach



#### Issues

- DRBC surface water quality standards for toxics are out of step with EPA nationally recommended criteria and State criteria
  - DRBC criteria for many pollutants differ from EPA/Basin States
  - DRBC does not have criteria for some pollutants with EPA-recommended criteria that have been adopted by the relevant basin states
- DRBC Human Health Water Quality Criteria are structured differently the States/EPA
- No obvious sustainable path toward getting & staying current



#### **Draft** Path Forward

- Multiple meetings with co-Regulators to pitch and discuss ways to catch up
  - Conclusion: Phased approach with Phase 1 to focus updates on criteria where the relevant basin states have adopted the EPA-recommended criteria
    - Where all relevant states have adopted the EPA-recommended criteria, and DRBC has different criteria, DRBC will modify (decrease or increase) its criteria values to match the USEPArecommended criteria values.
    - Where all relevant states have adopted the EPA-recommended criteria, and DRBC does not have criteria, DRBC will add the EPA-recommended criteria for that pollutant.
    - The exception is for PCB Human Health criteria, which will not change.
  - Pertains to DRBC Water Code Tables 5 (Aquatic Life) as well as 6 and 7 (Human Health)
  - Aquatic Life Draft Updates are relatively minor and include the addition of 5 criteria in the Marine Chronic category
  - Human Health updates are more substantial

# **Draft** Human Health Criteria Updates

Ourrent: 2 tables

TABLE 6: STREAM QUALITY OBJECTIVES FOR CARCINOGENS FOR THE DELAWARE RIVER ESTUARY AND BAY.

TABLE 7: STREAM QUALITY OBJECTIVES FOR SYSTEMIC TOXICANTS FOR THE DELAWARE RIVER ESTUARY AND BAY.

PARAMETER	FRESHWATER OBJECTIVES (µg/l)		MARINE OBJECTIVES (µg/I)
	FISH & WATER INGESTION	FISH INGESTION ONLY	FISH INGESTION ONLY

	FRESHWATER OBJECTIVES (μg/l)		MARINE OBJECTIVES (µg/l)
PARAMETER	FISH & WATER INGESTION	FISH INGESTION ONLY	FISH INGESTION ONLY

Oraft: Reorganization into 1 table to align with EPA and states

Pollutant	CAS#	Water & Organism	Organism Only
Pollutalit	CAS#	μg/L	μg/L



# **Draft** Human Health Criteria Updates

		Water & Organism	Organism Only	
		Number of Pollutants		
	Currently Aligning or More Stringent than EPA Criteria	31	24	
Phase 1	Criteria Value Decrease	42	40	
	Criteria Value Increase	6	13	
	New pollutant criteria	6	4	
	Total Pollutants After Phase 1	114	106	
Next Phases	Potential Criteria Adjustments	29	25	
	Potential Criteria Additions	12	10	



## **Next Steps**

- Present to the Toxics Advisory Committee
  - Solicit input from members
- Meet and discuss again with our Co-Regulators
- Open the Public Participation Process











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