



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Office of Water Management

Triennial Review Water Quality Standards TR #10

Projected Scope, Purpose & Timeline

Water Resources Advisory Committee
May 19, 2022

Tom Wolf, Governor

Patrick McDonnell, Secretary

Triennial Review of Water Quality Standards

- Required by the Federal Clean Water Act
- 3-year review

TR #10 will include:

- New or updated WQ Criteria
 - Human Health (HH)
 - Aquatic Life (AL)
- Address fishable / swimmable exclusions
- Minor edits / corrections

Human Health WQ Criteria

- **DEP derived HH criteria**
 - Recalculated based on new exposure inputs
 - Body weight from 70 to 80 kg
 - Drinking water intake from 2 to 2.4 L/day
 - Fish intake from 17.5 to 22 g/day
 - 7 criteria more stringent; 4 criteria less stringent
 - 1,4 – Dioxane
- **Federally derived HH criteria**
 - 2,4-D chlorophenoxy herbicide
 - Chloroform

Recommending statewide adoption of these federally derived criteria designed to protect aquatic life

- Cadmium
- Carbaryl
- Tributyltin (TBT)

304(a) Criteria

What are 304(a) criteria?

- Developed & Recommended by EPA
- States are required to either:
 - Adopt 304(a) criteria
 - Explain why it did not adopt

Which ones in TR#10 are 304(a) criteria?

- HH = 2,4-D & chloroform
- AL = Cadmium, Carbaryl & TBT

➤ Non-Fishable/Non-Swimmable Waters

Need to Reaffirm if the existing exclusions of the “fishable/swimmable” uses are still applicable

- Harbor Area and central channel to Outer Erie Harbor/ Presque Isle Bay (§ 93.9x)
- Zones 3 & 4 within a portion of the Delaware Estuary (§§ 93.9e & 93.9g)

Minor Edits / Corrections

- Update §16.32(d)(1), so that DEP may include other EPA-approved data sources rather than being limited to IRIS to obtain risk assessment values
- Update §16.41, delete reference to Appendix A, Table 1A
- Update §93.1, delete reference to Appendix A, Table 1A – in the definition of toxic substance
- Add language to Chapter 93 to clarify the duration of aquatic life criteria.

Tentative Timeline

Rulemaking Activity	Date
WRAC presentation – Proposed Rulemaking	July 2022
EQB Presentation – Proposed Rulemaking	Nov 2022
Publish in PA Bulletin – Proposed Rulemaking *	March 2023
60-day Public Comment period ends	May 2023
Draft responses to comments	June / July 2023
WRAC presentation – Final rulemaking	Aug / Sept 2023
EQB presentation – Final rulemaking	Oct / Nov 2023
Publish in PA Bulletin – Final rulemaking	Feb 2024
Submit Record of rulemaking to EPA	March 2024



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Office of Water Management

Questions?

Rodney McAllister
Bureau of Clean Water
romcallist@pa.gov
717-783-2952