



Texas Surface Water Quality Standards Update

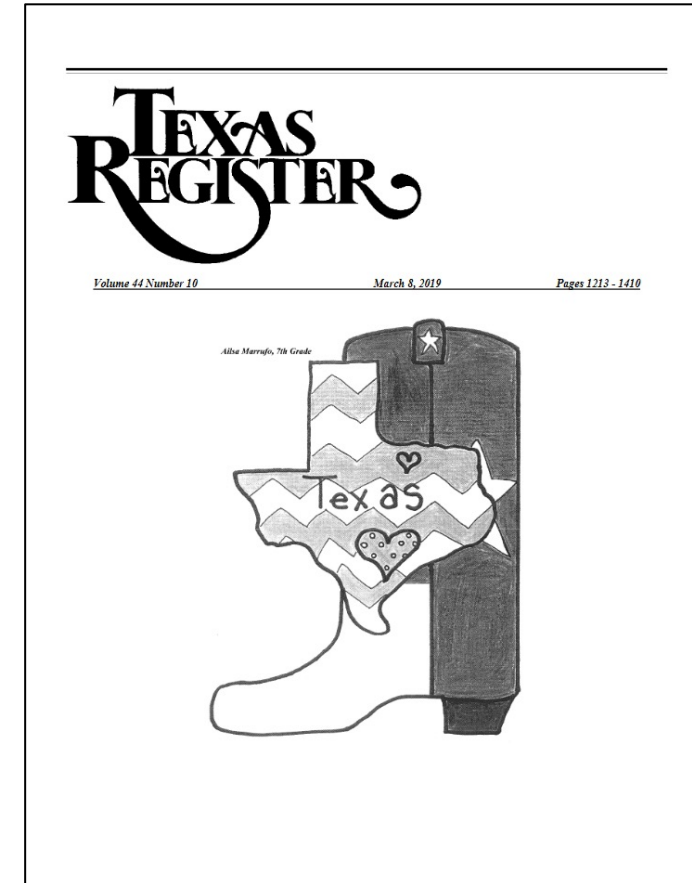
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Water Quality Standards

- The Texas Surface Water Quality Standards (TSWQS), Title 30, Chapter 307 of the Texas Administrative Code, describe the chemical, physical, and biological conditions to be attained in the surface waters of Texas.
- Authority for adopting and revising water quality standards is contained in §26.023 of the Texas Water Code (TWC), and in §303(c) of the Federal Clean Water Act.

2022 TSWQS Revision

- Request for preliminary comments
 - Published in the Texas Register on March 8, 2019
 - 30-day comment period
- Stakeholder meetings
 - March 9, June 29 & June 30, 2020



2022 TSWQS Revision

- Proposal agenda: March 9, 2022
- 45-day public comment period
- Public hearing (hybrid): May 2, 2022
- Adoption agenda: September 2022 (anticipated)

2022 TSWQS Revision

- §307.2 Description of Standards
 - Revisions to temporary standards to improve consistency with 40 Code of Federal Regulations §131.14
- §307.3 Definitions and Abbreviations
 - Definitions:
 - pre-production plastic
 - method detection limit
 - bioaccumulation factor
 - Abbreviations:
 - bioaccumulation factor
 - municipal utility district

2022 TSWQS Revision

- §307.4 General Criteria
 - Clarification to prohibit the discharge of visible pre-production plastic into surface water in the state
- §307.6 Toxic Materials
 - Updates to Aquatic Life criteria:
 - Cadmium: freshwater and saltwater, both acute and chronic

2022 TSWQS Revision

- §307.6 Toxic Materials
 - Updates to human health criteria (Table 2)
 - Oral slope factor revisions
 - benzo(*a*)anthracene
 - benzo(*a*)pyrene
 - Chrysene
 - 1,2-dichloropropane
 - 1,3-dichloropropene
 - Reference dose updates
 - Dichloromethane
 - Tetrachloroethylene
 - Animal body weight adjustment for cancer potency factor calculation
 - Dicofol

2022 TSWQS Revision

- §307.7 Site-specific Uses and Criteria
 - Addition of geometric mean criterion for Enterococci for high saline inland waters with PCR2
 - 54 colonies per 100 mL

2022 TSWQS Revision

- §307.10 Appendix A – Site-specific Uses and Criteria for Classified Segments
 - Footnote limiting the extent of public water supply use designation on Brushy Creek (Segment 1244)
 - Footnote clarifying flow regime in a reach of Upper North Bosque River (Segment 1255)
 - Deletion of footnote concerning flow regime of Mid Cibolo Creek (Segment 1913)
 - Revision of recreational use designation for San Miguel Creek (Segment 2108) to secondary contact recreation 1 use with corresponding criterion of 630 colonies per 100 mL.

2022 TSWQS Revision

- §307.10 Appendix B – Sole-source Surface Drinking Water Supplies
 - Additions:
 - San Marcos River (1808)
 - Choke Canyon Reservoir (2116)
 - Removals:
 - Greenbelt Lake (0223)
 - Granger Lake (1247)
 - Lake Brownwood (1418)

2022 TSWQS Revision

- §307.10 Appendix C – Segment Descriptions
 - Revision of the following to the most recent EPA-approved descriptions
 - Lower Cibolo Creek (1902)
 - Upper Cibolo Creek (1908)
 - Mid Cibolo Creek (1913)

2022 TSWQS Revision

- §307.10 Appendix D Site-specific Uses and Criteria for Unclassified Water Bodies
 - Piney Creek – two entries, both intermittent with pools
 - One high ALU
 - 24-hour average DO 3.0 mg/L and 24-hour minimum DO 2.0 mg/L
 - One intermediate ALU
 - 24-hour average DO 1.5 mg/L and 24-hour minimum DO 1.0 mg/L
 - Little Pine Island Bayou – two entries, both intermittent with pools
 - One high ALU
 - 24-hour average DO 3.0 mg/L and 24-hour minimum DO 2.0 mg/L
 - One intermediate ALU
 - 24-hour average DO 2.0 mg/L and 24-hour minimum DO 1.5 mg/L

2022 TSWQS Revision

- §307.10 Appendix D Site-specific Uses and Criteria for Unclassified Water Bodies
 - Buckners Creek – two entries replacing one existing entry
 - Lower reach, high ALU, perennial
 - 24-hour average DO 5.0 mg/L and 24-hour minimum DO 3.0 mg/L
 - Upper reach, intermediate ALU, intermittent with pools
 - 24-hour average DO 3.0 mg/L and 24-hour minimum DO 2.0 mg/L

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- §307.10 Appendix E – Site-specific Toxic Criteria
 - Eight site-specific copper water-effect ratios
 - Two site-specific copper biotic ligand models
- §307.10 Appendix G – Site-specific Recreational Uses and Criteria for Unclassified Water Bodies
 - South Lilly Creek revised to secondary contact recreation 1
 - Segment numbers and descriptions updated for Bullhead Bayou and Unnamed tributary of Bullhead Bayou due to water body being re-routed.

Thank you!

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