



# Missouri 2016 Partial Water Quality Standards Triennial Review

## 10 CSR 20-7.031

This is the first of a two-part triennial review. The first part deals with earlier changes that were disapproved by EPA and other items that can proceed with little controversy or development. The second part will contain other changes such as criteria for wetlands or criteria for cadmium and lead, and discussion of that rulemaking will proceed immediately following completion of the first set. The current rulemaking in progress contains the following elements:

### **Water Quality Criteria**

Updates Numeric Nutrient Criteria for lakes and reservoirs for Aquatic Life Protection and Drinking Water Supply uses

Updates many Section 304(a) Water Quality Criteria values and reformatting of Table A

### **Definition**

2015 HB 92 changed definition of “waters of the state” at RSMo, 644.016(27) at (1)(DD)

### **Mixing Zones**

Revises (5)(A)4.B.(III) to allow site-specific mixing zones at flows greater than 20 cfs

Clarifies definitions for mixing zones at (1)(Q) and zones of initial dilution at (1)(GG) to ensure protection of sensitive species

### **Site-Specific Criteria**

Removes additional language at (5)(A) and (S)3 related to UAAs and site-specific conditions

### **Hardness**

Revises hardness definition from 25<sup>th</sup> percentile to median (50th percentile)

### **pH**

Clarification that pH is a chronic (four-day average) criteria at (5)(E)

### **General Criteria Revisions**

Clarification regarding allowed toxicity in mixing zones, zones of initial dilution (4)(D)

Clarification regarding applicability of GC to nutrient impacts (4)(E)

Addition of narrative GC for protection of downstream uses (4)(F)

**Antidegradation Implementation Procedure**

Updates reference to Antidegradation Implementation Procedure at (3)(D)

**Losing Stream Reference, Table J**

Updates reference to “Losing Stream” information in definition, removes Table J at (1)(N)

**Site-specific Criteria, Table K**

Removes table that contains disapproved or expired site-specific dissolved oxygen criteria at Table K and (5)(J)

**Missouri Use Designation Dataset (MUDD)**

Updates GIS data to refine the delineation of start and end points of water body features, update and incorporate water body features according to (2), and recalculate stream mileages and lake acreages

**WQS Variances**

Removes disapproved variance language and clarifies requirements at (12)

Detailed information including standards background, meeting agendas and presentations is on:

<http://dnr.mo.gov/env/wpp/cwforum/adv-uncl-waters-wetlands.htm>