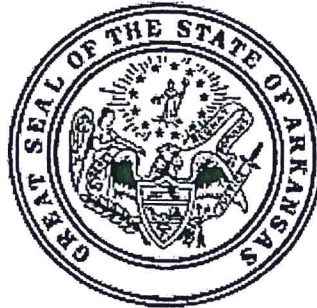


**ATTACHMENT A TO
LEGISLATIVE QUESTIONNAIRE
(MARK UP OF PROPOSED AMENDMENT TO
APCEC REGULATION NO. 2)**

**ARKANSAS POLLUTION CONTROL
AND ECOLOGY COMMISSION**



REGULATION NO. 2

**REGULATION ESTABLISHING WATER
QUALITY STANDARDS FOR SURFACE
WATERS OF THE STATE OF ARKANSAS**

INITIAL DRAFT

Submitted to the Arkansas Pollution Control and Ecology Commission on January 27, 2017

| <u>Stream</u> | <u>Concentration-mg/L</u> | | |
|--|---------------------------|-----------------------------------|-------------|
| | <u>Cl⁻</u> | <u>SO₄⁼</u> | <u>TDS</u> |
| Little Red River (including Greers Ferry Reservoir) | 20 | 30 | 100 |
| Black River | 20 | 30 | 270 |
| Strawberry River | 20 | 30 | 270 |
| Spring River | 20 | 30 | 290 |
| Eleven Point River | 20 | 30 | 270 |
| Stennitt Creek | ER | ER | 456* |
| South Fork Spring River | 20 | 30 | 270 |
| Myatt Creek | 20 | 30 | 270 |
| Current River | 20 | 30 | 270 |
| White River (Dam #3 to Missouri line, including Bull Shoals Reservoir) | 20 | 20 | 180 |
| Buffalo River | 20 | 20 | 200 |
| Crooked Creek | 20 | 20 | 200 |
| White River (Missouri line to headwaters, including Beaver Reservoir) | 20 | 20 | 160 |
| <u>White River from Noland WWTP to 0.4 miles downstream (WR-02)</u> | <u>44†</u> | <u>79†</u> | <u>362†</u> |
| <u>White River from WR-02 to WH10052</u> | <u>30†</u> | <u>40†</u> | <u>237†</u> |
| Kings River | 20 | 20 | 150 |
| West Fork White River | 20 | 20 | 150 |
| St. Francis River Basin | | | |
| St. Francis River (Mouth to 36° N. Lat.) | 10 | 30 | 330 |
| L'Anguille River | 20 | 30 | 235 |
| Tyronza River (headwaters to Ditch No. 6 confluence) | 20 | 30 | 350 |
| Ditch No. 27 | ER | 480 | 1200 |
| Ditch No. 6 (mouth to Ditch No. 27 confluence) | ER | 210 | 630 |
| Tyronza River (mouth to Ditch No. 6 confluence) | 20 | 60 | 350 |
| Little River | 20 | 30 | 365 |
| Pemiscot Bayou | 20 | 30 | 380 |
| St. Francis River (36° N. Lat. to 36° 30' N. Lat.) | 10 | 20 | 180 |
| Ouachita River Basin | | | |
| Bayou Bartholomew | 50 | 20 | 500 |
| Chemin-A-Haut Creek | 50 | 20 | 500 |
| Overflow Creek | 20 | 30 | 170 |
| Bayou Macon | 30 | 40 | 330 |
| Boeuf River | 90 | 30 | 460 |
| Big Cornie Creek | 230 | 30 | 500 |
| Little Cornie Creek | 200 | 10 | 400 |
| Three Creeks | 250 | 10 | 500 |
| Little Cornie Bayou | 200 | 20 | 500 |
| Unnamed trib from GLCC 003 | 538* | 35* | 519* |
| Unnamed trib to Little Cornie Bayou | 305* | ER | 325* |
| Little Cornie Bayou from unnamed trib to State Line | 215* | 25* | 500* |
| Walker Branch | 180* | ER | 970* |

Seasonal Ozark Highlands aquatic life use - all streams with watersheds of less than 10 mi² except as otherwise provided in Reg. 2.505

Perennial Ozark Highlands aquatic life use - all streams with watersheds of 10 mi² and larger and those waters where discharges equal or exceed 1-cfs

*As designated in the National Wild and Scenic Rivers System

**Except for those waters with designated use variations supported by Use Attainability Analysis or other investigations.

Site Specific Designated Use Variations Supported by Use Attainability Analysis or Other Investigations

- Railroad Hollow Creek - no fishable/swimmable uses (OH-1, #1)
- Columbia Hollow Creek - seasonal aquatic life use March-June (OH-1, #2)
- Curia Creek - below first waterfall, perennial aquatic life use (OH-4, #3)
- Moccasin Creek – below Arkansas Highway 177, perennial aquatic life use (OH-3, #4)
- Stennitt Creek- from Brushy Creek to Spring River, no domestic water supply use (OH-4, #6)

SPECIFIC STANDARDS: OZARK HIGHLANDS ECOREGION
(Plates OH-1, OH-2, OH-3, OH-4)

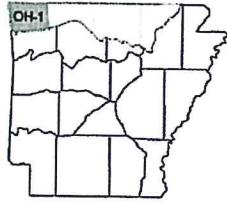
| | <u>Streams</u> | <u>Lakes and Reservoirs</u> |
|--------------------------------|-------------------------|-----------------------------|
| Temperature °C (°F)* | 29 (84.2) | 32 (89.6) |
| Trout waters | 20 (68) | |
| Turbidity (NTU) (base/all) | 10/17 | 25/45 |
| Minerals | see Reg. 2.511 | see Reg. 2.511 |
| Dissolved Oxygen** | <u>Pri.</u> <u>Crit</u> | see Reg. 2.505 |
| <10 mi ² watershed | 6 2 | |
| 10 to 100 mi ² | 6 5 | |
| >100 mi ² watershed | 6 6 | |
| Trout waters | 6 6 | |

All other standards (same as statewide)

Site Specific Standards Variations Supported by Use Attainability Analysis

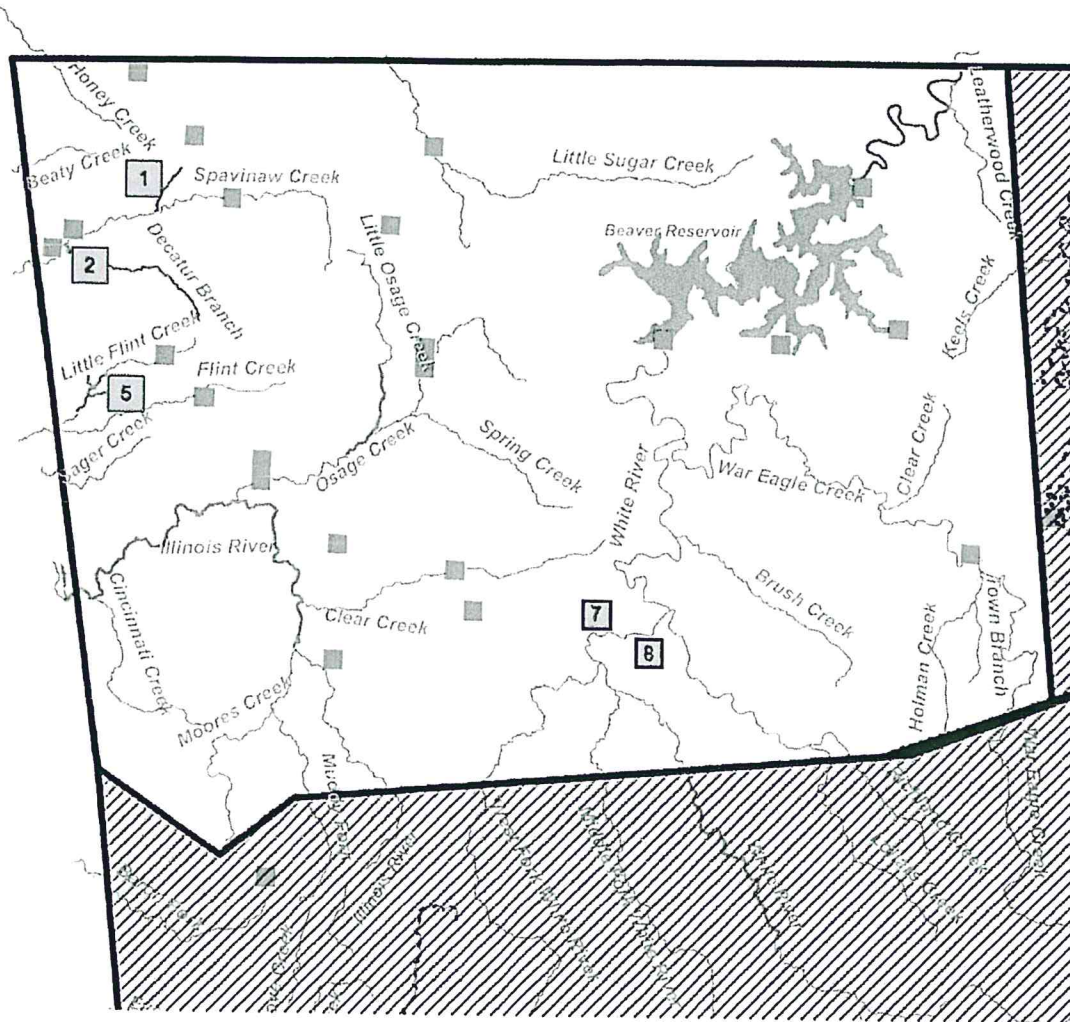
- Railroad Hollow Creek: from headwaters to Spavinaw Creek - year-round dissolved oxygen - 2 mg/L (OH-1, #1)
- Curia Creek - below first waterfall, critical season dissolved oxygen 6 mg/L (OH-4, #3)
- Moccasin Creek - below Highway 177, critical season D.O. 5mg/L (OH-3, #4)
- SWEPCO Reservoir - maximum temperature 54°C (limitation of 2.8°C above natural temperature does not apply) (OH-1, #5)
- Stennitt Creek - from Brushy Creek to Spring River, total dissolved solids = 456 mg/L (OH-4, #6)
- White River - from Noland WWTP to 0.4 miles downstream (WR-02), chloride = 44 mg/L, sulfate = 79 mg/L, TDS = 362 mg/L (OH-1, #7) †
- White River - from WR-02 to WH10052, chloride = 30 mg/L, sulfate = 40 mg/L, TDS = 237 mg/L (OH-1, #8) †

Plate OH-1 (Ozark Highlands)



LEGEND

- Extraordinary Resource Waters
- Natural and Scenic Waterways
- Variation by UAA
- Ecologically Sensitive Waterbodies
- ESW Caves, Springs, and Seeps
- Trout Waters



**ATTACHMENT B TO
LEGISLATIVE QUESTIONNAIRE
(EXECUTIVE SUMMARY)**