ARKANSAS POLLUTION CONTROL AND ECOLOGY COMMISSION

REGULATION NO. 2

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

Adopted by the Arkansas Pollution Control and Ecology Commission on (August 26, 2011)

Fisheries

Streams

Seasonal Ouachita Mountain Ecoregion fishery - all streams with watersheds of less than 10 mi^2 except as otherwise provided in Reg. 2.505

Perennial Ouachita Mountain Ecoregion fishery - all streams with watershed of 10 mi^2 or larger and those waters where discharges equal or exceed 1 CFS

Use Variations Supported by UAA

Rolling Fork from unnamed tributary A at Grannis to DeQueen Reservoir - no domestic water supply use (OM-1, #2)

Unnamed tributaries A and A1 at Grannis - no domestic water supply use (OM-1, #3)

SPECIFIC STANDARDS: OUACHITA MOUNTAIN ECOREGION
(Plates OM-1, OM-2)

	Streams		Lakes and Reservoirs
Temperature °C (°F)*	30 (86)		32 (89.6)
Trout waters	20 (68)		
Turbidity (NTU) (base/all)	10/18		25/45
Minerals	see Reg. 2.511		see Reg. 2.511
Dissolved Oxygen (mg/l) **	Pri.	Crit	see Reg. 2.505
<10 mi^2 watershed	6	2	
10 mi^2 and greater	6	6	
Trout waters	6	6	
All other standards	(same as statewide)		

Variations Supported by UAA

Prairie Creek: from headwaters to confluence with Briar Creek, critical season dissolved oxygen - 4 mg/l (OM-1, #1)

Rolling Fork from unnamed tributary A to DeQueen Reservoir - chlorides 130 mg/l; sulfates - 70 mg/l; TDS - 670 mg/l (OM-1, #2)

Unnamed tributaries A and A1 to Grannis - chlorides - 135 mg/l; sulfates - 70 mg/l; TDS - 700 mg/l (OM-1, #3)

South Fork Caddo River - sulfates 60 mg/l (OM-1, #4)

Back Valley Creek - sulfates 250 mg/l; total dissolved solids 500 mg/l (OM-1, #5)

Wilson Creek from a point approximately 0.85 mile upstream of Outfall 001 to UMETCO Outfall 001 - chlorides 56 mg/L; sulfates 250 mg/L; TDS - 500 mg/L (OM-2, #6)

Wilson Creek downstream of UMETCO Outfall 001 to its mouth - chlorides 56 mg/L; sulfates 250 mg/L; TDS - 500 mg/L (OM-2, #7)

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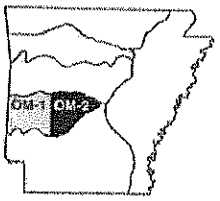
* Increase over natural temperatures may not be more than 2.8°C (5°F).

** At water temperatures ≤10°C or during March, April and May when stream flows are 15 CFS and greater, the primary season D.O. standard will be 6.5 mg/l. When water temperatures exceed 22°C, the critical season D.O. standard may be depressed by 1 mg/l for no more than 8 hours during a 24-hour period.

Stream	Concentration-mg/L		
	Cl	SO_4	TDS
Dorado LLC to the confluence of Bayou de Loutre			
Bayou de Loutre - from the mouth of Boggy Creek Downstream to the mouth of Hibank Creek	250*	296*	750*
Bayou de Loutre - frm the mouth of Hibank Creek Downstream to the mouth of Mill Creek	250*	263*	750*
Bayou de Loutre - from the mouth of Mill Creek Downstream to the mouth of Buckaloo Branch	250*	237*	750*
Bayou de Loutre - from the mouth of Buckaloo Branch Downstream to the mouth of Bear Creek	250*	216*	750*
Bayou de Loutre - from the mouth of Bear Creek Downstream to the final segment of Bayou de Loutre	250*	198*	750*
Bayou de Loutre (Final segment) - from the mouth of Bear Creek to the Arkansas/Louisiana State Line	250*	171*	750*
Ouachita River (Camben to Carpenter Dam)	50	40	150
Town Creek below Acme tributary	ER	200	700
Unnamed trib from Acme	ER	330	830
Little Missouri River	10	90	180
Muddy Fork Little Missouri	ER	250	500
Bluff Creek and unnamed trib.	ER	651*	1033*
Garland Creek	250	250	500
South Fork Caddo	ER	60	128
Back Valley Creek	ER	250	500
Wilson Creek from its mouth upstream approximately 1.7 miles at the UMETCO property line	56	250	500
Ouachita River (Carpenter Dam to Headwaters, Including Lake Ouachita tributaries)	10	10	100

Plate OM-2 (Ouachita Mountains)



LEGEND

- Ecologically Sensitive Waterbodies
- Trout Waters
- Extraordinary Resource Waters
- Natural and Scenic Waterways
- Variation by UAA