

Attachment A  
To Exhibit B

Black lined version of  
proposed changes to  
Regulation No 2

Arkansas Pollution Control  
& Ecology Commission  
#014.-002

# ARKANSAS POLLUTION CONTROL AND ECOLOGY COMMISSION



## REGULATION NO. 2

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

**DRAFT**

Submitted to the  
Arkansas Pollution Control  
and Ecology Commission  
August, 2006

Arkansas Pollution Control and Ecology Commission  
Regulation No. 2, As Amended

Regulation Establishing  
Water Quality Standards for Surface Waters  
of the State of Arkansas

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## REGULATION 2 BLACK LINE

Pollution Control and Ecology Commission 014.00-002

<u>Stream</u>	<u>Concentration -mg/L</u>		
	<u>CL</u>	<u>SO<sub>4</sub></u>	<u>TDS</u>
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	500
Big Cornie Creek	230	30	500
Little Cornie Creek	200	10	400
Three Creeks	250	10	500
Little Cornie Bayou	200	20	500
Walker Branch	180	ER	970
Gum Creek	104*	ER	311*
Bayou de L'Outre above Gum Creek	250	90	500
Bayou de L'Outre below Gum Creek	250	90	750
Ouachita River (Louisiana Line to Camden)	160	40	350
Saline River	20	40	120
Saline River east bifurcation at Holly Creek	ER	250	500
Hurricane Cr above Hurricane Lake Dam	20	250	500
Hurricane Cr from Hurricane L.k. Dam to Ben Ball Brdg	125	730	1210
Ben Ball Bridge to Hwy 270	125	700	1200
Hwy 270 to Saline River	100	500	1000
Akoa unnamed tribs to Hurricane Cr.	125	700	1100
Dry Lost Creek and tribs	ER	560	880
Lost Creek to Little Lost Creek	ER	510	820
Lost Creek below Little Lost Creek	ER	300	550
Holly Creek	30	860	1600
More Creek	30	20	260
Snackawor Creek	250	30	500
<del>Flat Creek from mouth of Flat Creek to confluence with Macon River</del>	<del>100</del>	<del>30</del>	<del>500</del>
<del>Flat Creek from mouth of Flat Creek to confluence with Macon River</del>	<del>100</del>	<del>30</del>	<del>500</del>
Unnamed trib. A to Flat Creek, from mouth of EDCO outfall to confluence with Flat Creek	10*	80*	315*
Unnamed trib. to Flat Creek from EDCO outfall to confluence with unnamed tributary A to Flat Creek.	23*	125*	375*
Ouachita River (Camden 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
Ouachita River (Carpenter Dam to Headwaters, including Lake Ouachita tributaries)	10	10	100
Red River Basin			
Bayou Dorcheat	100	16*	250

Variations Supported by UAA\*

- Louise Creek - from headwaters to railroad bridge, critical season D.O. standard - 3 mg/l, primary season - 5 mg/l; from railroad bridge to mouth, critical season D.O. - 2 mg/l (GC-2, #1)
- Unnamed tributary to Smackover Creek - headwaters to Smackover Creek, year round D.O. criteria - 2 mg/l (GC-2, #2)
- Unnamed tributary to Flat Creek - from headwaters to Flat Creek, year round D.O. criteria - 2 mg/l (GC-2, #4)
- Dodson Creek - from headwaters to confluence with Saline River, critical season D.O. standard - 3 mg/l (GC-4, #5)
- Jug Creek - from headwaters to confluence with Moro Creek, critical season D.O. standard - 3 mg/l (GC-2, #6)
- Lick Creek - from headwaters to Millwood Reservoir, critical season D.O. standard - 2 mg/l (GC-1, #7)
- Coffee Creek and Mossy Lake - exempt from Reg. 2.406 and Chapter Five (GC-3, #8)
- Red River from Oklahoma to confluence with Little River - total dissolved solids - 850 mg/l (GC-1, #9)
- Bluff Creek and unnamed trib. - sulfates 651 mg/l; total dissolved solids 1033 mg/l (GC-1, #10)
- Muddy Fork Little Missouri River - sulfates 250 mg/l; total dissolved solids 500 mg/l (GC-1, #24)
- Little Missouri River - sulfates 90 mg/l; total dissolved solids 180 mg/l (GC-1, #25)
- Mine Creek from Highway 27 to Millwood Lake - chlorides - 90 mg/l; sulfates - 65 mg/l; TDS - 700 mg/l (GC-1, #11)
- Caney Creek - chlorides 113 mg/l; sulfates 283 mg/l; total dissolved solids 420 mg/l (GC-1, #12)
- Bois d'Aro Creek from Caney Creek to Red River - chlorides 113 mg/l; sulfates 283 mg/l; dissolved solids 420 mg/l (GC-1, #13)
- Town Creek below Acme tributary - sulfates 200 mg/l; TDS 700 mg/l (GC-4, #14)
- Unnamed trib. from Acme - sulfates 330 mg/l; TDS 830 mg/l (GC-4, #14)
- Gun Creek - chlorides 104 mg/l; TDS 311 mg/l (GC-2, #15)
- Bayou de Loure from Gun Creek to State line - Chlorides 250 mg/l; TDS solids 750 mg/l (GC-2, #16)
- Walker Branch - chlorides 180 mg/l; total dissolved solids 970 mg/l (GC-2, #17)
- Ouachita River - from Ouachita River mile (ORM) 223 to the Arkansas-Louisiana border (ORM 221.1), site specific seasonal D.O. criteria: 3 mg/l, June and July; 4.5 mg/l, August; 5 mg/l, September through May. These seasonal criteria may be unattainable during or following naturally occurring high flows, (i.e., river stage above 65 feet measured at the lower gauge at the Felsenthal Lock and Dam, Station No. 89-0, and also for the two weeks following the recession of flood waters below 65 feet), which occurs from May through August. Naturally occurring conditions which fail to meet criteria should not be interpreted as violations of these criteria (GC-3, #26)
- Aleca unnamed trib. to Hurricane Cr. and Hurricane Cr. - see Reg. 2.511 (CG-4, #19)
- Holly Creek - See Reg. 2.511 (CG-4, #20)
- Saline River bifurcation - see Reg. 2.511 (GC-4, #23)
- Dry Lost Creek and tributaries - see Reg. 2.511 (GC-4, #21)
- Lost Creek - see Reg. 2.511 (GC-4, #22)
- Albemarle unnamed trib (AUT) to Horseshoe Creek - chlorides 137 mg/l; TDS 383 mg/l (GC-2, #27)
- Horseshoe Creek from AUT to mouth - chlorides 85 mg/l; TDS 260 mg/l (GC-2, #27)
- Bayou Doreheat - sulfates 16 mg/l (GC-2, #27)
- Dismukes Creek - chlorides 26 mg/l; TDS 157 mg/l (GC-2, #28)
- Big Creek from Dismukes to Bayou Doreheat - chlorides 20 mg/l; TDS 200 mg/l (GC-2, #28)
- Bayou de Loure from Great Lakes Outfall to Loure Creek - maximum water temperature 96°F (GC-2, #29)
- Unnamed tributary of Lake June below Entergy Caneh Plant to confluence with Lake June - maximum water temperature 95 degrees F (limitation of 5 degrees above natural temperature does not apply) (GC-1, #30)
- Unnamed tributary to Flat Creek from Flat Creek Outfall to confluence with unnamed tributary to Flat Creek - Chloride 27 mg/l; Sulfate 125 mg/l; TDS 475 mg/l (GC-2, #37)
- Unnamed tributary to Flat Creek from mouth of Flat Creek to confluence with Flat Creek - Chloride 18 mg/l; Sulfate 5 mg/l; TDS 73 mg/l (GC-2, #38)
- ~~Unnamed tributary to Flat Creek from mouth of Flat Creek to confluence with Flat Creek - Chloride 18 mg/l; Sulfate 5 mg/l; TDS 73 mg/l (GC-2, #38)~~
- ~~Unnamed tributary to Flat Creek from mouth of Flat Creek to confluence with Flat Creek - Chloride 18 mg/l; Sulfate 5 mg/l; TDS 73 mg/l (GC-2, #38)~~
- ~~Unnamed tributary to Flat Creek from mouth of Flat Creek to confluence with Flat Creek - Chloride 18 mg/l; Sulfate 5 mg/l; TDS 73 mg/l (GC-2, #38)~~

\*Note: numbers 31-36 are reserved for proposed 3<sup>rd</sup> party rule making by Great Lakes Chemical Company.