

ARKANSAS POLLUTION CONTROL  
AND ECOLOGY COMMISSION

LOCATION - SUBJECT \_\_\_\_\_  
Amendment to Regulation No. 2  
Georgia-Pacific Corporation  
Docket No. 96-008-R

MINUTE ORDER NO. 97-3

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The Georgia-Pacific Corporation filed a petition for third-party rulemaking to amend Regulation No. 2, "Regulation Establishing Water Quality Standards for Surface Waters of the State of Arkansas." (Docket No. 96-008-R).

Commission Minute Order 96-46 authorized initiation of third-party rulemaking. One public hearing and a 45-day public comment period were held. A Statement of Basis and Purpose in accordance with Regulation No. 8 was prepared for Commission review.

**IT IS, THEREFORE ORDERED:**

1. That Regulation No. 2 be amended to change the numeric water quality standards for dissolved oxygen in specified waterbodies as shown (shaded) in the attached page from Regulation No. 2, and
2. That the Statement of Basis and Purpose submitted by the Georgia-Pacific Corporation is adopted by the Commission as part of this rulemaking, and
3. That the Department staff is directed to make these changes to Regulation No. 2.

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PROMULGATED THIS 24th DAY OF JANUARY 1997 BY  
ORDER OF THE ARKANSAS POLLUTION CONTROL AND ECOLOGY COMMISSION.

BY: Julia Mobley  
Julia Mobley, Chair

ATTEST: Randall Mathis  
Randall Mathis, Director

APPROVED: Mike Huckabee  
Mike Huckabee, Governor

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SUBMITTED BY: Chuck Bennett PASSED: 01/24/97

**Specific Standards**  
**Gulf Coast Ecoregion**  
(Plates GC-1, GC-2, GC-3, GC-4)

	<u>Typical Streams</u>	<u>Spring Water Streams</u>	<u>Lakes and Reservoirs</u>
Temperature <sup>1</sup> °C (°F)	30 (86)	30 (86)	32 (89.6)
Ouachita River (state line to Little Missouri River)	32 (89.6)		
Red River	32 (89.6)		
Turbidity (NTU)	21	21	25
Red River	50		
Minerals		see §6(K)	see §6(K)
Dissolved Oxygen <sup>2</sup> (mg/l)	<u>Pri.</u> <u>Crit.</u>	<u>Pri.</u> <u>Crit.</u>	see §6(E)
<10 mi. watershed	5      2		
10 mi. - 500 mi.	5      3		
>500 mi. watershed	5      5		
All sizes		6      5	
All other standards	(same as statewide)		

**Variations Supported by UAA**

Loutre 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 and swamp to Smackover Creek - headwaters to Smackover Creek, year round D.O. criteria - 2 mg/l (GC-2, #3)

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 - exempt from §5(E) and §6 (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'Arc Creek from Caney Creek to Red River - chlorides 113 mg/l; sulfates 283 mg/l; total 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)

Gum Creek - chlorides 104 mg/L; TDS 311 mg/L (GC-2, #15)

Bayou de Loutre from Gum 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-a, 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.

<sup>1</sup> Increase over natural temperatures may not be more than 2.8°C (5°F).

<sup>2</sup> 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.