

**BEFORE THE ARKANSAS POLLUTION  
CONTROL & ECOLOGY COMMISSION**

**IN RE: REQUEST BY GREAT LAKES )  
CHEMICAL CORPORATION— )  
CENTRAL FACILITY— )  
TO INITIATE RULEMAKING )  
TO AMEND REGULATION NO. 2 ) DOCKET NO. 06-008-R**

**REQUEST FOR ADOPTION OF PROPOSED CHANGE TO REGULATION NO. 2**

Great Lakes Chemical Corporation—Central Facility (GLCC), in support of its request for the adoption of proposed changes to the Arkansas Pollution Control and Ecology Commission’s (APCEC) Regulation No. 2 to amend the water quality standards for certain designated stream segments, submits the following:

1. Attached hereto as Exhibit “A” is GLCC’s Statement of Basis and Purpose which was filed on January 10, 2007 in accordance with the Commission’s Minute Order No. 06-37.
2. Attached hereto as Exhibit “B” is GLCC’s Responsiveness Summary which was filed on January 10, 2007 in accordance with the Commission’s Minute Order No. 06-37.
3. Attached hereto as Exhibit “C” are the copies of the cover page and the pages of APCEC Regulation No. 2 as they will appear if the Commission grants GLCC’s rulemaking request.
4. Attached hereto as Exhibit “D” is the Regulations Tracking Sheet.
5. Attached hereto as Exhibit “E” is a copy of the GLCC’s proposed Minute Order adopting the changes to APCEC Regulation No. 2 requested by GLCC.

WHEREFORE, Petitioner Great Lakes Chemical Corporation—Central Facility respectfully requests the adoption by Minute Order of the proposed changes to APCEC Regulation No. 2.

Respectfully submitted,

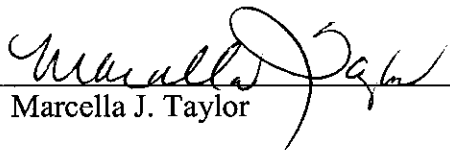
**MITCHELL, WILLIAMS, SELIG  
GATES & WOODYARD, P.L.L.C.**  
425 West Capitol Avenue, Suite 1800  
Little Rock, AR 72201  
(501) 688-8800

By   
\_\_\_\_\_  
Marcella J. Taylor, AR Bar No. 82156

**Attorneys for Great Lakes Chemical  
Corporation—Central Facility**

**CERTIFICATE OF SERVICE**

I, Marcella J. Taylor, state that I have, on this 1<sup>st</sup> day of June, 2007, mailed a copy of the foregoing Request for Adoption of Proposed Changes to APCEC Regulation No. 2 to Ms. Ellen Carpenter, Arkansas Department of Environmental Quality, 8001 National Drive, Little Rock, AR 72219.

  
\_\_\_\_\_  
Marcella J. Taylor

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ARK. POLLUTION CONTROL  
& ECOLOGY COMMISSION  
FILED BY

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**GREAT LAKES CHEMICAL CORPORATION'S  
STATEMENT OF BASIS AND PURPOSE**

Great Lakes Chemical Corporation (GLCC), for its Statement of Basis and Purpose, states:

1. The Arkansas Pollution Control and Ecology Commission (APCEC) is given the power and duty to promulgate rules and regulations implementing and effectuating the powers and duties of the Arkansas Department of Environmental Quality (ADEQ) and APCEC, including regulations prescribing water quality standards (WQS). ARK. CODE ANN. § 8-4-202(a) and (b).
2. ARK. CODE ANN. § 8-4-202(c) provides that any person has the right to petition the APCEC for an amendment of any rule or regulation. On August 31, 2006, GLCC filed its Petition to Initiate Third-Party Rulemaking to Amend APCEC Regulation No. 2. GLCC's Petition was submitted pursuant to, and in compliance with Section 2.306 of APCEC Regulation No. 2, Section 3.4 of APCEC Regulation No. 8, and the Continuing Planning Process. On September 22, 2006, the APCEC entered Minute Order No. 06-37 which granted GLCC's Petition and initiated rulemaking on the changes proposed to Regulation No. 2 by GLCC.
3. GLCC operates a bromine extraction facility south of El Dorado which produces specialty chemicals in a bromine production process. GLCC has operated the facility for over 30 years. Stormwater runoff is discharged from Outfalls 002 and 004 as authorized by the Arkansas



Department of Environmental Quality (ADEQ) under National Pollutant Discharge Elimination System (NPDES) Permit No. AR0001171 which was effective on January 1, 2004. This NPDES Permit also authorizes the discharge from Outfall 003 of stormwater runoff and non-process water (e.g., non-contact cooling water, boiler blowdown, freeze protection, etc.). The effluent from these outfalls discharge into unnamed wet weather tributaries. Outfalls 002 and 004 each discharge to separate unnamed tributaries of Bayou de Loutre. These unnamed tributaries are referred to hereafter as UT002 and UT004. Outfall 003 discharges to an unnamed tributary of an unnamed tributary to Little Cornie Bayou. This unnamed tributary to the unnamed tributary to Little Cornie Bayou is hereafter referred to as UT003.

4. The effluent limitations for chloride, sulfate and Total Dissolved Solids (TDS) in GLCC's NPDES Permit are based upon the maintenance of the designated, but not existing, domestic water supply use for the unnamed tributaries of Bayou de Loutre and Little Cornie Bayou. The applicable Arkansas chloride, sulfate and TDS standards for the unnamed tributaries to Bayou de Loutre and Little Cornie Bayou are 14 mg/l, 31 mg/l and 123 mg/l respectively. The applicable chloride standard for Bayou de Loutre is 250 mg/L and the applicable chloride and sulfate standards for Little Cornie Bayou are 200 mg/l and 20 mg/l respectively.

5. GLCC is specifically requesting the following amendments to APCEC Regulation No. 2:

- a. modify the dissolved minerals criteria for the entire length of UT002 as follows:

TDS from 123 mg/L to 141 mg/L  
sulfate from 31 mg/L to 35 mg/L  
chloride from 14 mg/L to 65 mg/L

- b. modify the dissolved minerals criteria for the entire length of UT004 as follows:

TDS from 123 mg/L to 324 mg/L  
chloride from 14 mg/L to 239 mg/L

- c. modify the chloride criterion for Bayou de Loutre from its the confluence with UT004 to Loutre Creek as follows:

chloride from 250 mg/L to 278 mg/L

- d. modify the dissolved minerals criteria for the entire length of UT003 as follows:

TDS from 123 mg/L to 519 mg/L  
sulfate from 31 mg/L to 35 mg/L  
chloride from 14 mg/L to 538 mg/L

- e. modify the dissolved minerals criteria for the unnamed tributary of Little Cornie Bayou from its confluence with UT003 to its mouth as follows:

TDS from 123 mg/L to 325 mg/L  
chloride from 14 mg/L to 305 mg/L

- f. modify the dissolved minerals criteria for Little Cornie Bayou from its confluence with the unnamed tributary to the Arkansas/Louisiana state line as follows:

sulfate from 20 mg/L to 25 mg/L  
chloride from 200 mg/L to 215 mg/L

- g. remove the Domestic Water Supply use designation for the entire length of UT002.
- h. remove the Domestic Water Supply use designation for the entire length of UT004.
- i. remove the Domestic Water Supply use designation for the Bayou de Loutre from its confluence with UT004 to the mouth of Loutre Creek.
- j. remove the Domestic Water Supply use designation for the entire length of UT003.
- k. remove the Domestic Water Supply use designation for the unnamed tributary to Little Cornie Bayou from its confluence with UT003 to its mouth.

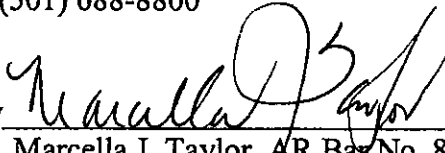
6. On June 28, 2006, GLCC submitted to ADEQ a document entitled *Section 2.306 Site Specific Water Quality Study for Cl, SO<sub>4</sub> and TDS* in support of this Petition (hereinafter "the Study"). This document fully satisfied the information requirements of Section 2.306 of APCEC Regulation No. 2 for Site Specific Criteria for amending Regulation No. 2.

7. GLCC's Petition is supported by the following facts:

- The domestic water supply use designations for UT002, UT004, Bayou de Loutre from its confluence with UT004 to Loutre Creek, UT003, and the unnamed tributary to Little Cornie Bayou from its confluence with UT003 to its mouth were assigned by default, are not existing uses, and are not attainable uses because the natural, ephemeral and low flow conditions prevent the attainment of the use;
- The aquatic life field studies conducted in April and May of 2005 show that despite the fact that the watercourses are seasonal wet weather tributaries with small watersheds which limit the development of biotic communities, the designated aquatic life use and the biological integrity of the watercourses is being maintained downstream of the discharges;
- The existing discharges pass the WET testing requirements of the NPDES permit. Toxicity testing in 100% whole effluent from Outfalls 002 and 004 and WET testing of the Outfall 003 demonstrate no toxicity as a result of the dissolved mineral concentrations;
- Current discharge concentrations have been reduced from historic concentrations through facility upgrades to Best Management Practices and spill control containment and cleanup;
- There is no current economically feasible treatment technology for the removal of chloride, sulfate, or TDS. Ion exchange and reverse osmosis treatment technologies do exist; however, these methods are not cost effective on a large scale basis, are prohibitively expensive, and generate a concentrated brine which is environmentally difficult to dispose of. Such treatment technology is not required to meet the existing uses and would not add any significant environmental protection.

Respectfully submitted,

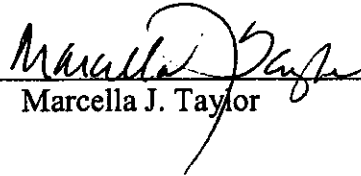
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425 West Capitol Avenue, Suite 1800  
Little Rock, AR 72201  
(501) 688-8800

By   
Marcella J. Taylor, AR Bar No. 82156

**Attorneys for Great Lakes Chemical  
Corporation—Central Facility**

**CERTIFICATE OF SERVICE**

I, Marcella J. Taylor, state that I have, on this 10<sup>th</sup> day of January, 2007, mailed a copy of the foregoing Statement of Basis and Purpose to Ms. Ellen Carpenter, Arkansas Department of Environmental Quality, 8001 National Drive, Little Rock, AR 72219.

  
\_\_\_\_\_  
Marcella J. Taylor

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ARKANSAS  
POLLUTION CONTROL  
& ECOLOGY COMMISSION  
FILED BY

*PLB*

**GREAT LAKES CHEMICAL CORPORATION'S  
RESPONSIVENESS SUMMARY**

Great Lakes Chemical Corporation (GLCC), for its Responsiveness Summary, states:

On November 13, 2006 a public hearing was held in El Dorado, Arkansas on GLCC's Third-party Rulemaking Petition. Two (2) speakers presented comments during the public hearing and one (1) written comment was received by ADEQ during the comment period.

**Comment:** One commenter, who also submitted his comments in written form, expressed support for the requested changes, but stated that the support should not be viewed as a weakening of opposition to the proposed El Dorado pipeline.

**Response:** GLCC appreciates the support for the requested changes.

**Comment:** One commenter stated that he opposed the request based upon the overall lack of enforcement of water quality standards.

**Response:** GLCC disagrees with the commenter's view that there is an overall lack of enforcement of water quality standards.

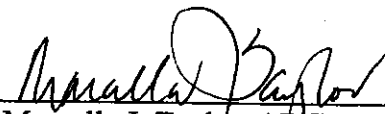




No other comments relevant to the rulemaking request were received.

Respectfully submitted,


**MITCHELL, WILLIAMS, SELIG  
GATES & WOODYARD, P.L.L.C.**  
425 West Capitol Avenue, Suite 1800  
Little Rock, AR 72201  
(501) 688-8800

By   
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Marcella J. Taylor, AR Bar No. 82156

**Attorneys for Great Lakes Chemical  
Corporation**

**CERTIFICATE OF SERVICE**

I, Marcella J. Taylor, state that I have, on this 10<sup>th</sup> day of January, 2007, mailed a copy of the foregoing Responsiveness Summary to Ms. Ellen Carpenter, Arkansas Department of Environmental Quality, 8001 National Drive, Little Rock, AR 72219.

  
\_\_\_\_\_  
Marcella J. Taylor

# 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 April 23, 2004  
Amended June 22, 2007



<u>Stream</u>	<u>Concentration-mg/L</u>		
	<u>Cl<sup>-</sup></u>	<u>SO<sub>4</sub></u>	<u>TDS</u>
<b>Ouachita River Basin</b>			
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
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
Gum Creek	104*	ER	311*
Bayou de L'Outre above Loutre Creek	278*	90*	500*
Unnamed trib UT004 from GLCC	239*	ER*	324*
Unnamed trib UT002 from GLCC	65*	35*	141*
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 Lk. 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
Alcoa 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
Moro Creek	30	20	260
Smackover Creek	250	30	500
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
<b>Red River Basin</b>			
Bayou Dorcheat	100	16*	250

<u>Stream</u>	<u>Concentration-mg/L</u>		
	<u>Cl<sup>-</sup></u>	<u>SO<sub>4</sub><sup>-2</sup></u>	<u>TDS</u>
Albemarle unnamed trib (AUT) to Horsehead Creek	137*	ER	383*
Horsehead Creek from AUT to mouth	85*	ER	260*
Cypress Creek	250	70	500
Crooked Creek	250	10	500
Dismukes Creek	26	ER	157
Big Creek from Dismukes to Bayou Dorcheat	20	ER	200
Bois d'Arc Creek from Caney Creek to Red River	113*	283*	420*
Caney Creek	113*	283*	420*
Bodcau Creek	250	70	500
Poston Bayou	120	40	500
Kelley Bayou	90	40	500
Red River from Oklahoma to confluence with Little River	250	200	850
Red River from Little River to Louisiana	250	200	500
Sulphur River	120	100	500
Days Creek	250	250	500
McKinney Bayou	180	60	480
Little River	20	20	100
Saline River	20	10	90
Mine Creek from Hwy 27 to Millwood Lake	90	65	700
Cossatot River	10	15	70
Upper Rolling Fork	20	20	100
Rolling Fork from unnamed trib A to DeQueen Lake	130	70	670
Unnamed tribs A and A1 at Grannis	135	70	700
Mountain Fork	20	20	110
Mississippi River (Louisiana line to Arkansas River)	60	150	425
Mississippi River (Arkansas River to Missouri line)	60	175	450

ER - ecoregion standard

\* - based on critical background flow of 4 cfs

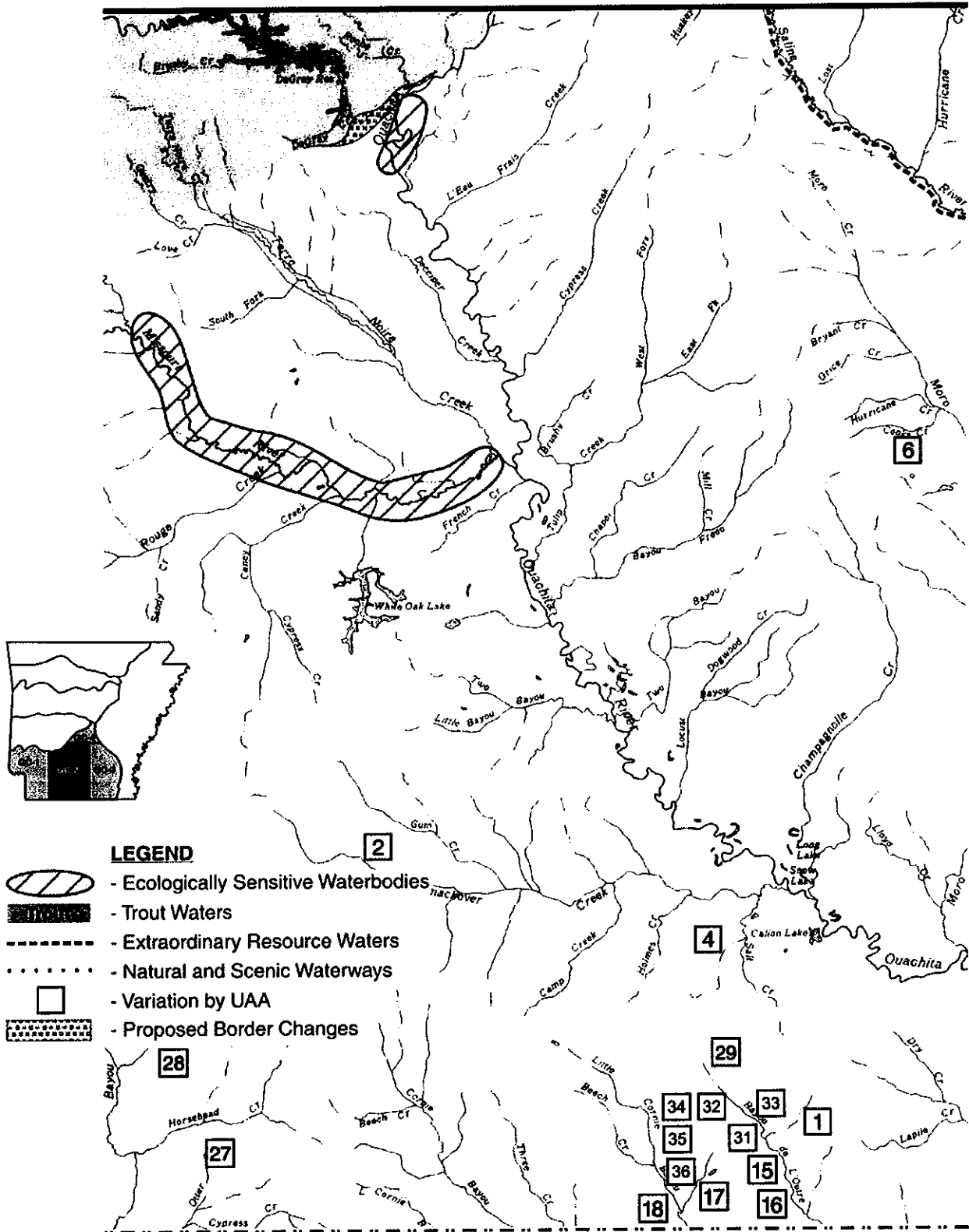
Any modification of these values must be made in accordance with Reg. 2.306.

The following values determined from Arkansas' least-disturbed ecoregion reference streams are considered to be the maximum naturally occurring levels. For waterbodies not listed above, any discharge which results in instream concentrations more than 1/3 higher than these values for Cl and SO<sub>4</sub> or more than 15 mg/l, whichever is greater, is considered to be a significant modification of the water quality. Similarly, such modification exists if the following TDS values are exceeded after being increased by the sum of the increases to Cl and SO<sub>4</sub>. Such modifications may be made only in accordance with Reg. 2.306.

**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 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'Arc 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)
- 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-o, 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)
- Alcoa 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 Horsehead Creek - chlorides 137 mg/l; TDS 383 mg/l (GC-2, #27)
- Horsehead Creek from AUT to mouth - chlorides 85 mg/l; TDS 260 mg/l (GC-2, #27)
- Bayou Dorcheat - 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 Dorcheat - chlorides 20 mg/L; TDS 200 mg/L (GC-2, #28)
- Bayou de Loutre from Great Lakes Outfall to Loutre Creek - maximum water temperature 96°F (GC-2, #29)
- Unnamed tributary of Lake June below Entergy Couch 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 from Great Lakes Chemical Company Outfall 002 to Bayou de Loutre - chloride 65, sulfate 35 mg/L, TDS 141 mg/L (GC-2, #31)
- Unnamed tributary from Great Lakes Chemical Company Outfall 004 to Bayou de Loutre - chloride 239 mg/L, TDS 324 mg/L (GC-2, #32)
- Bayou de Loutre from mouth of UT004 to mouth of Loutre Creek, chloride 278 mg/L (GC-2, #33)
- Unnamed tributary from Great Lakes Chemical Company Outfall 003 (UT003) downstream to unnamed tributary to Little Cornie Bayou - chloride 538 mg/L, sulfate 35 mg/L, and TDS 519 mg/L (GC-2, #34)
- Unnamed tributary of Little Cornie Bayou to confluence with Little Cornie Bayou - chloride 305 mg/L and TDS 325 mg/L (GC-2, #35)
- Little Cornie Bayou to State Line - sulfate 25 mg/L and chloride 215 mg/L (GC-2, #36)

# Plate GC-2 (Gulf Coastal Plain)



## APCEC REGULATIONS TRACKING SHEET

Regulation No. 2    Common Name:     Water Quality Standards

1.       Strawman review of draft regulations by key groups.

	<b><i><u>initiated</u></i></b>	<b><i><u>completed</u></i></b>
AEDQ Legal/Admin	reviewed with ADEQ Water Division	
Industrial/Environmental Groups	reviewed with Arkansas Department of Health & Human Services, Arkansas Natural Resources Commission, Arkansas Game & Fish, United States Fish and Wildlife, United States Environmental Protection Agency-Region 6	

2.       Proposed regulations presentation to Commission's Regulations Committee for approval to public comment period.

Date: <u>9/22/2006</u>	By:     Marcella J. Taylor
<i>Comments/Approval</i>	<u>approved to initiate rulemaking by Minute Order</u>

3.       Legal notice of proposed regulations and public hearing.

<b><u>Publication</u></b> <i>Arkansas Democrat Gazette</i> <i>El Dorado News-Times</i>	<b><u>Dates of publication</u></b> 9/27/2006 and 9/28/2006 9/27/2006 and 9/28/2006
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4.       Provide Legislative Council with three copies of proposed regulations and the legislative questionnaire at least ten days prior to the first public hearing.

Proposed regulation and legislative questionnaire provided by Doug Szenher, ADEQ.

5.       Hold public hearing(s) on the proposed regulations.

<b><u>Location</u></b> El Dorado, Arkansas	<b><u>Date</u></b> 11/13/2006
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6.       Date of final day of public comment period:    November 29, 2006

7.       Final proposed regulation and response to comments prepared by Great Lakes Chemical Corporation.

Responsiveness Summary filed with the APC&EC on January 19, 2007, and the final proposed regulation and proposed Minute Order delivered to Judge O'Malley and ADEQ on June 1, 2007



8. Formal presentation to the Public Health & Welfare Committee of the Legislative Council.

Date: April 24, 2007

By: Mary Leath, Chief Deputy Director, ADEQ

Comments/Approval

approved by legislative committee

9. Formal presentation of proposed final regulation to the Administrative Rules & Regulations Subcommittee of the Legislative Council (All regs).

Date: May 30, 2007

By: Mary Leath, Chief Deputy Director, ADEQ

Comments/Approval

approved by legislative committee

10. Presentation of proposed final regulations to Commission's Regulations Committee.

Date: June 22, 2007

By: Marcella J. Taylor

Comments/Approval

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11. Provide Commission members with copy of proposed final regulation prior to Commission meeting.

Date: June 1, 2007

12. Present proposed final regulation to the Commission for adoption.

Date: June 22, 2007

By: Marcella J. Taylor

Comments/Approval

\_\_\_\_\_

13. Send two copies of adopted regulation to Secretary of State (regulation becomes effective twenty days after filing).

Date: \_\_\_\_\_

14. Formally submit adopted regulation to EPA (if necessary) with Governor's submittal letter.

Date Mailed: \_\_\_\_\_



**ARKANSAS POLLUTION CONTROL  
AND ECOLOGY COMMISSION**

**SUBJECT-Regulation No. 2  
Water Quality Standards  
Third-Party Rulemaking  
GREAT LAKES CHEMICAL CORPORATION –  
CENTRAL FACILITY**

**DOCKET NO. 06-008-R**

**MINUTE ORDER NO. 07-\_\_\_\_\_**

**PAGE 1 OF 3**

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Great Lakes Chemical Corporation—Central Facility (GLCC) 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.” (Petition No. 06-008-R.)

Arkansas Pollution Control and Ecology Commission Minute Order No. 06-37 authorized the initiation of rulemaking. One public hearing and a 45-day public comment period were held. In accordance with Regulation No. 8, a Statement and Basis and Purpose as well as a Responsiveness Summary were prepared for Commission review.

It is therefore, ORDERED:

1. That Regulation No. 2 be amended to change the water quality standards in the following waters as described below:

- a. modify the dissolved minerals criteria for the entire length of UT002 as follows:

TDS from 123 mg/L to 141 mg/L  
sulfate from 31 mg/L to 35 mg/L  
chloride from 14 mg/L to 65 mg/L

- b. modify the dissolved minerals criteria for the entire length of UT004 as follows:

TDS from 123 mg/L to 324 mg/L  
chloride from 14 mg/L to 239 mg/L

- c. modify the chloride criterion for Bayou de Loutre from its the confluence with UT004 to Loutre Creek as follows:

chloride from 250 m/L to 278 mg/L



**ARKANSAS POLLUTION CONTROL  
AND ECOLOGY COMMISSION**

**SUBJECT-Regulation No. 2  
Water Quality Standards  
Third-Party Rulemaking  
GREAT LAKES CHEMICAL CORPORATION –  
CENTRAL FACILITY**

**DOCKET NO. 06-008-R**

**MINUTE ORDER NO. 07-\_\_\_\_\_**

**PAGE 2 OF 3**

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- d. modify the dissolved minerals criteria for the entire length of UT003 as follows:
- TDS from 123 mg/L to 519 mg/L  
sulfate from 31 mg/L to 35 mg/L  
chloride from 14 mg/L to 538 mg/L
- e. modify the dissolved minerals criteria for the unnamed tributary of Little Cornie Bayou from its confluence with UT003 to its mouth as follows:
- TDS from 123 mg/L to 325 mg/L  
chloride from 14 mg/L to 305 mg/L
- f. modify the dissolved minerals criteria for Little Cornie Bayou from its confluence with the unnamed tributary to the Arkansas/Louisiana state line as follows:
- sulfate from 20 mg/L to 25 mg/L  
chloride from 200 mg/L to 215 mg/L
- g. remove the Domestic Water Supply use designation for the entire length of UT002.
- h. remove the Domestic Water Supply use designation for the entire length of UT004.
- i. remove the Domestic Water Supply use designation for the Bayou de Loutre from its confluence with UT004 to the mouth of Loutre Creek.
- j. remove the Domestic Water Supply use designation for the entire length of UT003.
- k. remove the Domestic Water Supply use designation for the unnamed tributary to Little Cornie Bayou from its confluence with UT003 to its mouth.

**ARKANSAS POLLUTION CONTROL  
AND ECOLOGY COMMISSION**

**SUBJECT-Regulation No. 2  
Water Quality Standards  
Third-Party Rulemaking  
GREAT LAKES CHEMICAL CORPORATION –  
CENTRAL FACILITY**

**DOCKET NO. 06-008-R**

**MINUTE ORDER NO. 07-\_\_\_\_\_**

**PAGE 3 OF 3**

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2. That the Statement of Basis and Purpose and the Responsiveness Summary submitted by GLCC and the Statement of Basis and Purpose and the Responsiveness Summary submitted by ADEQ are adopted by the Commission as part of this rulemaking proceeding.

3. That the ADEQ staff is directed to make these changes to Regulation No. 2.

**PROMULGATED THIS 22<sup>nd</sup> DAY OF JUNE, 2007, BY ORDER OF THE ARKANSAS  
POLLUTION CONTROL AND ECOLOGY COMMISSION.**

**COMMISSIONERS:**

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**E. Valdez  
B. Ackerman  
L. Bengel  
S. Henderson  
C. McGrew  
J. Simpson**

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**T. Schueck  
J. Shannon  
L. Sickel  
W. Thompson  
B. White  
R. Young**

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**Chair, D. Samples**

**ATTEST:** \_\_\_\_\_  
Teresa Marks, Director

**APPROVED:** \_\_\_\_\_  
**Governor Mike Bebee**

Submitted by: Marcella Taylor

DATE PASSED: \_\_\_\_\_