



**STATE OF ARKANSAS
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY**

8001 NATIONAL DRIVE, P.O. BOX 8913
LITTLE ROCK, ARKANSAS 72219-8913
PHONE: (501) 562-7444
FAX: (501) 562-4632



**CERTIFIED MAIL: P 136 285 861
RETURN RECEIPT REQUESTED**

March 8, 1994

CSN: 700035 Permit No. 3883WR1
 Title: Water
 Sub: Permit, Compliance

Tom Mathis
Great Lakes Chemical Corp.
P.O. Box 1878
El Dorado, AR 71730

Gentlemen:

The enclosed permit (No. 3883-WR-1) is your authority to construct, operate and maintain the Consolidated Brine Disposal System as set forth in your application dated July 30, 1993.

This permit is issued subject to the provisions of the Arkansas Water and Air Pollution Control Act (A.C.S. Sec. 8-4-101 et seq) and the terms and conditions stated therein. Approval for underground injection is also required from the Arkansas Oil and Gas Commission.

After considering the facts and requirements of the aforementioned Act and implementing regulations, I have determined that Permit No. 3883-WR-1 for the construction, operation and maintenance of the consolidated brine disposal system issued and effective on the date specified in the permit, unless a Commission review has been properly requested under Section 4, Part III, of Regulation No. 8, Arkansas Department of Pollution Control and Ecology Administrative Procedures, within 30 days after service of this decision.

All persons entitled to do so, may request an adjudicatory hearing and Commission review on whether the decision of the Director should be reversed or modified. Such a request shall be in the form and manner required by Section 4, Part III of Regulation No. 8.

Sincerely,

Chuck Bennett
 Chuck Bennett
 Chief, Water Division

CB:ka

Enclosure

cc: Arkansas Dept. of Health - Division of Engineering
 Marty Perdue, Arkansas Oil & Gas Commission
 Darlene Ogden, ADPC&E, El Dorado office



PERMIT

ISSUED BY



STATE OF ARKANSAS
DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
8001 NATIONAL DRIVE, P.O. BOX 8913
LITTLE ROCK, ARKANSAS 72219-8913

CSN No. 70-0035

Effective Date 04/07/94

Permit No. 3883-WR-1

Expiration Date N/A

To:

Great Lakes Chemical Corp.
P.O. Box 1878
El Dorado, AR 71730

This permit is your authority to operate and maintain the waste disposal system as set forth in your application dated July 30, 1993. This permit is issued subject to provisions of the Arkansas Water and Air Pollution Control Act (A.C.A. Sec. 8-4-101 et seq.) and the following terms and conditions:

1. The disposal system shall be constructed or modified in accordance with the final plans and specification as approved by the Department of Pollution Control and Ecology.
2. This permit shall automatically terminate unless construction of the disposal system has commenced within 3 months of the effective date and completed with all reasonable diligence. The Department shall be notified in writing when the disposal system has been completed in order that it may be inspected.
3. The disposal system shall be operated by qualified personnel and maintained in good operating condition at all times.
4. By-passing of the disposal system is prohibited and will result in revocation of this permit and/or other appropriate enforcement action by the Department.
5. There shall be no increase in the volume or strength of the waste being treated by the disposal system except within design limits covered by the plans and specifications approved by the Department. No extension or modification of the disposal system may be made without the issuance of a new permit.
6. This permit may be revoked or modified whenever it is necessary, in the opinion of the Department, to prevent or abate pollution of any waters of the state.
7. Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance or operation of the disposal system.
8. This Permit is issued in reliance upon the statements and representations made in the application and the plans and specifications, and the Department has no responsibility for the adequacy or proper functioning of the disposal system.
9. **THERE SHALL BE NO DISCHARGE TO SURFACE WATERS OF THE STATE.**

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

By: Charles Bennett Date 3/8/94
Chief, Water Division

Permit 3883-WR-1

Great Lakes Chemical Corp.

10. The Permittee shall comply with all applicable permit fee requirements for state permits as described in ADPC&E Regulation No. 9. Failure to promptly remit all required fees shall be grounds for the Director to initiate action to terminate this permit under the provisions of ADPC&E Regulation No. 8.
11. This system is known as the GLCC Consolidated Brine Disposal System currently in operation at GLCC's El Dorado and South Plants. This permit covers the operation of surface facilities associated with production and storage of feed brine and the surface facilities associated with the storage and disposal of spent brine.
12. This permit is based on a projected maximum disposal rate of 300,000 barrels per day. The addition or deletion of additional brine production or brine disposal wells which reflects an increase or decrease of 15% of the total volume disposed into the surface facilities permitted herein, will require a modification of this permit.
13. The South Plant's feed and tail brine ponds will receive brine produced from a total of twelve brine supply wells, six at the South Plant and six at the El Dorado Plant. Those wells are listed as follows: El Dorado Plant - BSW 5, 6, 7, 11, 12, 13; South Plant - BSW 3S, 4S, 5S, 6S, 10S, 20S;
14. This is a "No Discharge Permit". There shall be no discharge of brine to the "waters of the State" from the surface holding facilities covered by this permit.
15. The Permittee shall maintain at all times a minimum of 24" of freeboard on both the surface feed and tail brine ponds at the South Plant.