

ADEQ

ARKANSAS
Department of Environmental Quality

May 24, 2001

Mr. Steve Card
Regulatory Affairs
Albemarle Corporation
P. O. Box 729
Magnolia, AR 71754-0729

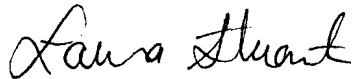
RE: CSN 14-0028; Permit Number 4007-WR-1
Water Disposal System

Dear Mr. Card,

The Department records indicates permit number 4007-WR-1 should have CSN number **14-0011**, instead of 14-0028 that was issued with the recent permit modification. Please use 14-0011 for all correspondence.

If you have any questions or comments concerning this permit, please contact me at 501-682-0642.

Sincerely,



Laura Stuart Leslie, Geologist
State Permits, Water Division

cc: Joslyn Burleson, Program Coordinator
Jim Purvis, Permit Fees
John Lamb, Water Inspector
file

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ARKANSAS
Department of Environmental Quality

CERTIFIED MAIL: 7000 0600 0026 9360 4865
RETURN RECEIPT REQUESTED

May 9, 2001

Mr. Steve Card
Regulatory Affairs
Albemarle Corporation
P. O. Box 729
Magnolia, AR 71754-0729

RE: CSN 14-0028; Permit Number 4007-WR-1
Water Disposal System

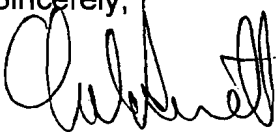
Dear Mr. Card,

The enclosed permit is your authority to operate and maintain the Water Disposal System as set forth in your permit modification request.

After considering the facts and requirements of the Arkansas Water and Air Pollution Control Act (A. C. A. § 8-4-101 et seq.) and implementing regulations, it has been determined that Permit 4007-WR-1 for operation and maintenance of the Water Disposal System at the West Plant and West Plant brine field be issued and effective on the date specified in the permit.

If you have any questions or comments concerning this permit, please contact Laura Stuart at 501-682-0642.

Sincerely,



Chuck Bennett
Chief, Water Division

cc: Joslyn Burlison, Program Coordinator
Jim Purvis, Permit Fees
John Lamb, Water Inspector

~~file~~

WATER DIVISION

8001 NATIONAL DRIVE / POST OFFICE BOX 8913 / LITTLE ROCK, ARKANSAS 72219-8913 / TELEPHONE 501-682-2199 / FAX 501-682-0910

www.adeq.state.ar.us



PERMIT

ISSUED BY

STATE OF ARKANSAS
DEPARTMENT OF ENVIRONMENTAL QUALITY
8001 NATIONAL DRIVE, P.O. BOX 8913
LITTLE ROCK, ARKANSAS 72219-8913



CSN No.: 14-0028
Permit No.: 4007-WR-1

Effective Date: May 8, 2001
Expiration Date: May 8, 2006

To: Albemarle Corporation
P.O. Box 729
Magnolia, AR 71753

This Permit 4007-WR-1 is your authority to operate and maintain the disposal system, to modify permit 4007-W. This permit modification 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 specifications approved by the Department of Environmental Quality.
2. The disposal system shall be operated by qualified personnel and maintained in good operating condition at all times.
3. 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.
4. No additional extension or modification of the disposal system may be made without modification of this permit.
5. 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.
6. 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.
7. This permit is issued in reliance upon the statements and representations made in the initial application, the applications for modification, and the plans and specifications. The Department has no responsibility for the adequacy or proper functioning of the treatment system.
8. This is a No Discharge permit. No brine shall be discharged to the waters of the State. The permittee shall immediately notify the Department if there is any discharge to the surface or ground waters of the State from the system.
9. The permittee shall comply with all applicable permit fee requirements for state permits as described in ADEQ Regulation No. 9. Failure to promptly remit all required fees shall be grounds for the Director to initiate enforcement action to terminate this permit under the provisions of Regulation No. 8.
10. See additional permit conditions 11 - 14 attached.

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

By: _____

Chief, Water Division

15/8/01
Date

Permit 4007-WR-1
Albemarle Corporation

11. This system is known as the West Field Brine System located Township 17 South and Range 21 West, Columbia County, Arkansas.
12. This permit covers the holding facilities, emergency containment facilities, pipelines and tanks located at the West Plant and West Plant brine system. All disposal volumes, rates and pressures are regulated by the Arkansas Oil and Gas Commission (AOGC) permits and these conditions are to be strictly followed.
13. This System will receive only brine from the West Plant's brine management system (Permit 690-W). No additional, secondary or unpermitted waste streams are to be routed to the tail brine system for storage or disposal. The permittee shall notify the Department within 24 hours when any noncompliance situation arises in which any waste stream other than spent brine is routed to the system.
14. All operation and production of the brine wells in this disposal system are regulated by AOGC Class 5 brine injection well permits. A current map showing the locations and names of the Class 5 injection wells, and the locations of the tail brine pipelines will be provided to the Department. Upon changes in the system, such as additions or deletions of wells or pipelines, a new map will be provided to the Department. The total West Plant tail brine volume will be provided to the Department once a year for notification purposes.



ARKANSAS
Department of Environmental Quality

Statement of Basis for Proposed Permit 4007-WR-1, CSN 14-0028

Prepared by: Laura Stuart Leslie

Date: 5/2/01

A modification to permit 4007-W has been requested by Albemarle Corporation. The permit was issued on July 4, 1991 for the West Plant brine field disposal system. The plant operations remain essentially the same as stated in the narrative description dated February 5, 1991.

The following changes have been made to the permit:

- 1). Permit condition 15 of 4007-W has been incorporated into condition 8 of permit 4007-WR-1.
- 2). Permit conditions 12 and 13 of 4007-W have been changed from a list of individual wells to permit condition 14 in 4007-WR-1 that requires a map of the system that requires the locations of the wells and field lines.
- 3). Expiration date is now included.

This permit is considered for a minor modification since the major operations covered by the existing permit remain the same. This permit eliminates duplicate reporting requirements to AOGC and ADEQ, and includes a permit expiration date.