

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

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SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Arkansas Cement Corporation  
P. O. Box 130, Foreman, AR  
CSN 41-0032<sup>01</sup> CASE REFERENCES \_\_\_\_\_  
FIRST SUBMITTAL 2-18-82 AMENDED \_\_\_\_\_

SUMMARY:

Arkansas Cement proposes to install a gravel bed filter to control particulate discharge from their three clinker coolers more efficiently than is presently being accomplished using existing multiclones. The filter unit will consist of fourteen modules each containing a layer of granular pebbles. The raw gas passes a plenum compartment where the coarse dust particles precipitate by loss of velocity. From here the gas enters the cyclone-type separator, where the medium size particles are precipitated, falling down to the lower cone. The ascending gas then enters a vortex tube and passes through the actual filter compartment. Gas traverses the bed from top to bottom, where dust particles are deposited on the surface of the gravel bed as well as in the empty spaces. The cleaning is controlled intermittently by a timer with only one module being cleaned at a time. Arkansas Cement is currently allowed to emit 132 lb/hr, 157 lb/hr, and 186 lb/hr from the #1, #2, #3 coolers respectively. Upon installation of the new filter the total emission rate of the three coolers will be 25 pounds of particulate per hour.

ESTIMATED COST: \$ 6,200,000 TOTAL PROJECT: \$ 6,200,000  
COMMENCEMENT OF INSTALLATION June 1982 COMMENCEMENT OF OPERATION Nov. 1982  
RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 75-A (Mod)  
AIR CODE X SIP X PSD NO NSPS NO NESHAPS NO  
REVIEWED BY MP APPROVED BY JDW APPROVAL DATE 3-26-82

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PUBLIC NOTICE

Pursuant to Section 51.18, 40 CFR, Part 1 (Federal Register, Vol. 38, No. 116, Monday, June 18, 1973), the Department of Pollution Control and Ecology gives the following notice:

Arkansas Cement proposes to install a gravel bed filter to control particulate discharge from their three clinker coolers more efficiently than is presently being accomplished using existing multiclones. Arkansas Cement is currently allowed to emit 132 lb/hr, 157 lb/hr, and 186 lb/hr from the #1, #2, #3 coolers respectively. Upon installation of the new filter the total emission rate of the three coolers will be 25 pounds of particulate per hour.

The application has been reviewed by the staff of the Department and has received the Department's tentative approval subject to the terms of this notice and the approval of the Commission on Pollution Control and Ecology.

Citizens wishing to examine the permit applications and staff findings and recommendations may do so by contacting the Department's central office, 8001 National Drive, Little Rock, or the County Clerk's office, Little River County Courthouse, Ashdown, AR.

Interested or affected persons may also submit written comments on the proposal to the Department within thirty (30) days of this publication.

Dated this 17th day of March, 1982.

Jarrell E. Southall  
Director

MAILING LIST:

PUBLIC NOTICE - Mailed 3-17-82

Arkansas Cement Corp. - 75-A (Mod)  
Foreman, AR

The Arkansas Democrat  
E. Capitol and Scott Streets  
Little Rock, AR 72201

The Arkansas Gazette  
112 W. 3rd St.  
Little Rock, AR 72201

Little River News  
45 E. Commerce  
Ashdown, AR 71822

Mrs. Eula Capps, Mayor of Foreman  
P. O. Box 10  
Foreman, AR 71836

The Hon. Judge Hoye Horn  
Little River County Courthouse  
Ashdown, AR 71822

Mark Johnson, Director  
Arkansas Dept. of Local Services  
#1 Capitol Mall  
Little Rock, AR 72201

\*Ms. Dolores Pullen, County Clerk  
Little River County Courthouse  
Ashdown, AR 71822

Mr. John Gallion, Chief  
Air Quality Service  
Oklahoma Dept. of Health  
N.E. 10th and Stonewall  
Oklahoma City, OK 73152

Mr. Bill Stewart, P.E.  
Exec. Director  
Texas Air Control Board  
6330 Hwy. 290 East  
Austin, TX 78723

James B. Gordon  
Arkansas Cement Corp.  
P. O. Box 130  
Foreman, AR 71836

\*Ellen D. Greeney  
105 Project Officer  
Environmental Protection Agency  
Region VI  
First International Bldg.  
1201 Elm St.  
Dallas, TX 75270

\*Receives Packet