

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Arkansas Cement Corporation
Foreman, Arkansas (Little River County)

CSN 410001 CASE REFERENCES _____

FIRST SUBMITTAL April 20, 1983 AMENDED _____

SUMMARY:

On April 20, 1982 Arkansas Cement received a modification to permit #75-A to allow the installation of a gravel bed filter which would control emissions from their clinker coolers. Arkansas Cement has now decided to install a Fuller fabric filter with heat recovery in place of the gravel bed filter. They have asked that their permit be modified accordingly.

The total emission rate from all three coolers is now 1770 pounds per hour. The gravel bed filter would have reduced this to 25 lb/hr; the fabric filter will be just as effective. The three existing stacks (SN-4, SN-5, SN-6) will no longer be used. Instead, the coolers will be vented through one new stack (SN-7).

The mass emission limit of the three coolers (SN-7) will be 25 pounds per hour. The opacity limit will be 10%. Compliance with the mass emission limit will be demonstrated by EPA Test Method 5; EPA Method 9 will be used to demonstrate compliance with the opacity limit.

This project also includes the replacement of part of the clinker handling system. Fugitive emissions generated at the crossover point will be controlled by a baghouse (SN-8). This source will have an emission limit of 1 lb/hr and an opacity limit of No Visible Emissions (3%). Demonstration of compliance with the opacity limit shall be presumed to represent compliance with the mass emission limit.

ESTIMATED COST: \$ 6,200,000 TOTAL PROJECT: \$6,200,000

COMMENCEMENT OF INSTALLATION 1/83 COMMENCEMENT OF OPERATION 11/83

RECOMMENDATION Approval/conditions ASSIGNED PERMIT NUMBER 75-AR-3

AIR CODE X SIP X PSD _____ NSPS _____ NESHAPS _____

REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE May 27, 1983

CONDITION(S)

1. The modification made to Permit No. 75-A on April 20, 1982, requiring Arkansas Cement Corporation to install a gravel bed filter to control the clinker cooler is hereby rescinded.