MAR 14 1975

Docket No. 50-313

Arkansas Power & Light Company
ATTN: Mr. D. Phillips
Senior Vice President
Production, Transmission,
and Engineering
Sixth and Pine Streets
Pine Bluff, Arkansas 71601

Gentlemen:

Although your emergency core cooling systems generally satisfy our requirements with regard to long-term cooling, the system configurations have not been specifically evaluated to show that significant changes in chemical concentrations would not occur during the long term after a loss-of-coolant accident (LOCA) and these potential changes have not been specifically addressed by appropriate operating procedures. Accordingly, you should review your system capabilities and operating procedures to assure that boron precipitation would not compromise long-term core cooling capability following a LOCA. This review should consider all aspects of your design including component qualification in the LOCA environment in addition to a detailed review of operating procedures. You should examine the vulnerability of your design to single failures that would result in any significant boron precipitation.

You should submit this evaluation and associated operating procedures within 30 days of receipt of this letter. These procedures should be promptly effected to assure that boron precipitation would not interfere with the ability of your facility to conform to Criterion (5) of 10 CFR 50.46(b). We will inform you as to the acceptability of your evaluation and associated operating procedures.

ECCS
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Form AEC-318 (Rev. 9-53) AECM 0240

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While solute concentrations may be subject to control through operating procedures, equipment modifications may be required or desirable to simplify such procedures. Your submittal should include a plan for completing such modifications within six months of the date of this letter.

This request for generic information was approved by GAO under a blanket clearance number B-180225 (R0072); this clearance expires July 31, 1977.

Sincerely,

Original signed by
Dennis L. Ziemann

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Reactor Licensing

cc: see next page

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