

FEB 17 1976

Docket No. 50-269

Duke Power Company
ATTN: Mr. William O. Parker, Jr.
Vice President
Steam Production
Post Office Box 2178
422 South Church Street
Charlotte, North Carolina 28242

Gentlemen:

By letter dated December 18, 1975, you proposed a station modification to insure that sufficient core circulation would exist to avoid boron concentration buildup that might adversely affect long term cooling capability following a postulated LOCA. The proposed modification would consist of a hot leg drain network of two drain lines from the decay heat drop line to the sump.

We have reviewed your proposal and find it to be a satisfactory method to achieve the desired boron dilution. The proposal, however, does not provide for positive indication that the system is in fact working when called upon to operate following a LOCA. We believe that the reactor operator should have positive indication that a minimum of 40 gpm is actually flowing in the drain lines when the drain line valves are opened following a LOCA. Without such indication, we are unable to conclude that the system you have proposed is acceptable.

In the event you are unable to provide for this indication prior to your scheduled resumption of operation in Cycle 3, you are requested to propose a preoperational test that will demonstrate sufficient flow through the drain lines under post-LOCA conditions.



OFFICE >

SURNAME >

DATE >

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Duke Power Company

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Please provide your intentions regarding the above within 5 days of receipt of this letter.

Sincerely,

Original signed by
R. A. Purple

Robert A. Purple, Chief
Operating Reactors Branch #1
Division of Operating Reactors

cc: See next page

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cc: Mr. William L. Porter
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

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