



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DEC 05 1985

Docket Nos.: 50-369
and 50-370

Mr. H. B. Tucker, Vice President
Nuclear Production Department
Duke Power Company
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Tucker:

Subject: Technical Specification Change Request Regarding Cold Leg
Accumulator Boron Requirements - McGuire Nuclear Station,
Units 1 and 2

This will confirm a telephone discussion of October 30, 1985 between B. Gill of Duke Power Company and D. Hood and R. Sammons of NRC regarding your request of August 19, 1985 for McGuire technical specification changes. These changes, in part, would increase the time to restore the boron concentration in an ECCS cold leg injection accumulator based upon the volume weighted average of the concentration of the three limiting accumulators. The limiting accumulators are understood to be that combination of three accumulators which would inject the minimum volume weighted average boron concentration assuming the accumulator of highest concentration (the fourth) spills out of the broken RCS pipe.

The staff noted that the proposed change to Action Statement 3.5.1.1.c2) fails to incorporate a lower limit on weighted average boron concentration, and requested that Duke revise its request to recognize a lower limit or provide additional justification why such is not needed. The staff illustrated its concern for including a lower limit by noting that a certain concentration is needed during or after the refill stage of a large-break LOCA (typically analyzed assuming no control rod insertion) to maintain subcriticality. Accordingly, as currently proposed, the staff is unable to agree with your 10 CFR 50.92 conclusions (attachment III) that increasing the time to restore boron concentration (when the weighted average is below such a lower limit) would not (1) involve a significant increase in the consequences of an accident previously evaluated, or (2) involve a significant reduction in a margin of safety.

The staff also notes that new Action Statement 3.5.1.1c would address conditions for weighted concentrations greater than or less than 1900 ppm, but not equal to 1900 ppm. The staff also recommends that you update the associated technical specification Basis and incorporate the definition of "limiting accumulators".

Mr. H. B. Tucker

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Pending receipt of a modification or additional justification addressing a lower limit, we propose to take no further action upon your request.

Sincerely,

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B. J. Youngblood, Director
PWR Project Directorate #4
Division of PWR Licensing-A

cc: See next page

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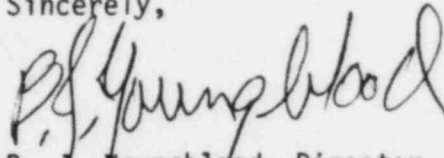
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Mr. H. B. Tucker

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Pending receipt of a modification or additional justification addressing a lower limit, we propose to take no further action upon your request.

Sincerely,

A handwritten signature in dark ink, appearing to read "B. J. Youngblood", written in a cursive style.

B. J. Youngblood, Director
PWR Project Directorate #4
Division of PWR Licensing-A

cc: See next page

Mr. H. B. Tucker
Duke Power Company

McGuire Nuclear Station

cc:

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