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

APR 0 9 1980

Docket Nos. 50-369
and 50-370

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

Dear Mr. Parker:

SUBJECT: LOCA ANALYSIS - COMBINED 10-INCH AND 6-INCH BREAK
(McGuire Nuclear Station, Units 1 and 2)

We have reviewed the qualitative evaluation of the combined failure of a 10-inch accumulator line and an impinged 6-inch hot leg injection line which was provided in your March 22, 1979 letter.

It is not apparent that the qualitative evaluation of combined 10-inch cold leg and 6-inch hot leg breaks addresses the uncertainties associated with core flow during this event for a UHI plant. It is not clear that the venting effects mentioned in the analysis would be beneficial when considering the possibility of core flow stagnation. Since we cannot draw a conclusive assessment from the qualitative evaluation to determine that the postulated two-break event is not limiting, we require that you provide a sensitivity analysis of a 10-inch cold leg split break in combination with a 6-inch split break LOCA.

We request that this information be provided no later than May 9, 1980.

Sincerely,

Robert L. Baer

Robert L. Baer, Chief
Light Water Reactors Branch No. 2
Division of Project Management

ccs: See next page

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