

Duke Power Company
P.O. Box 33198
Charlotte, N.C. 28242

Hal B. Tucker
Vice President
Nuclear Production
(704)373-4531



DUKE POWER

August 17, 1990

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Subject: Catawba Nuclear Station, Units 1 and 2
Docket Nos. 50-413 and 50-414
McGuire Nuclear Station
Docket Nos. 50-369 and 50-370
Main Steam Line Breaks In Ice Condenser Plants

Gentlemen:

By letter dated May 11, 1989, the NRC Staff requested that Duke Power Company review and comment on Argonne National Laboratory's (ANL) confirmatory analysis which was performed to validate conclusions made relative to Main Steam Line Breaks (MSLBs) inside an Ice Condenser Containment. Of specific concern were the superheated temperatures the ANL analysis predicted in the vicinity of the break locations which exceeded the Environmental Qualification (EQ) limit of 327°F. My letter dated July 17, 1989 transmitted Duke Power Company's comments which concluded that local temperatures near the break could exceed the EQ limit, but that there was no equipment required for MSLB mitigation close enough to the break locations to be affected. Additionally, Duke provided a technical justification as to why the COBRA-NC temperature predictions are more accurate than those predicted by the COMMIX code.

Attached is a supplement to my July 17, 1989 letter, which provides additional information to support Duke Power's position on this issue.

Very Truly Yours,

Hal B. Tucker

Hal B. Tucker

08179001/rgm

Attachment

9008310071 900817
PDR ADOCK 05000369
S PDC

Foot
APB/11

U. S. Nuclear Regulatory Commission

August 17, 1990

Page 2

cc: Mr. Stewart D. Ebnetter
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
101 Marietta St., NW, Suite 2900
Atlanta, Georgia 30323

Dr. K. N. Jabbour
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
One White Flint North
Washington, D. C. 20555

Mr. D. S. Hood
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. P. K. VanDoorn
NRC Resident Inspector
McGuire Nuclear Station

Mr. W. T. Orders
Senior NRC Resident Inspector
Catawba Nuclear Station