

Docket Nos. 50-269 50-270 50-287

> Duke Power Company Power Building 422 South-Church Street Charlotte, North Carolina 28201

Attention: Mr. Austin C. Thies Vice President Production & Operation Distribution: AEC PDR (3) Docket Files (3) DR Reading DRL Reading PWR-2 Reading C. K. Beck D. F. Ross M. M. Mann **A.** B. Cady P. A. Morris F. Schroeder T. R. Wilson R. C. DeYoung R. S. Boyd S. Levine D. J. Skovholt L. Kornblith, CO (3) DRL Branch Chiefs F. W. Karas (2) A. Schwencer

Gentlemen:

We need additional information to complete our review of your analysis of the loss-of-coolant accident for the Oconee Nuclear Station. The flow rates predicted by the analyses of the system blowdown and core heatup for the spectrum of cold-leg break sizes should be provided and the core heat transfer coefficients used should be identified. comprehensive summary should be provided of the analytical methods and computer codes used in the analysis of the thermal-hydraulic aspects of the loss-of-coolant accident. This summary should include:

UNITED STATES OMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

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March 27, 1970

- a description of each code (purpose, fundamental assumptions, (a) basic equations, nature of input and output);
- a description of the procedures used in applying the output (b) results of one computer code as input information to another code;
- (c) identification of the codes used in calculating the results shown in various tables and figures in the FSAR;
- a quantitative discussion of the bases for selection of the input (d) parameters used in the FLASH code to model the primary system, and justification that the selected parameters lead to conservative results.

Please contact us if you desire any discussion or clarification of the information requested by this letter.

Original Signed by Peter A. Morris

Peter A. Morris, Director Division of Reactor Licensing

3/20/70

DRL

Sincerely,

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PWR/DRL RC/DéYoûng 3/24/10

DRL · ///] FSchroeder

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