

Docket Nos. 50-369
and 50-370

MAR 05 1986

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

Dear Mr. Tucker:

Subject: Reports on PRA Insights - McGuire Units 1 and 2


Enclosed are two draft reports concerning technical insights gained from Probabilistic Risk Assessments (PRAs). These reports are the outcome of an ongoing effort to make available and utilize in numerous technical and managerial activities the information in PRAs regarding the factors which dominate the risk associated with nuclear power plants. This effort includes identification of the features of design or operational practices which have been found to be important to safety in the types of plants which have been subjected to risk assessments. In addition, the section on insights into PRA methodologies focuses on areas which are sensitive to the results and the overall perception of plant weaknesses and vulnerabilities.

In particular, these reports contain discussions of: general insights on plant strengths and weaknesses gained from PRAs; the contribution to core melt frequency from classes of sequences induced by various initiating events; modifications, both hardware and procedural, which have been implemented to address problems identified in the conduct or as a result of PRAs; insights into PRA methodologies; and the contribution to measures of risk (core melt frequency and consequences of radioactive releases) from systems, components and events.

These reports are being provided to you, as well as all other licensees, in advance of formal publication for your information. Your comments and suggestions are welcome on these reports.

Sincerely,

Original signed by:
D. Hood



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

Enclosures: As stated

cc w/o enclosure:
See next page

PWR#4: DPWR-A
MDurican:kab
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DSH
PWR#4: DPWR-A
DHood
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PWR#4: DPWR-A
BJYoungblood
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MAR 05 1986

Mr. H. B. Tucker
Duke Power Company

McGuire Nuclear Station

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