

MAR 05 1986

Docket Nos. 50-413  
and 50-414

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 - Catawba 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,

*[Handwritten signature]*  
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  
MDuncan:kab  
03/4/86

PWR#4:DPWR-A  
KJabbour  
03/4/86

*DSH*  
PWR#4:DPWR-A  
BJYoungblood  
03/4/86

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PDR ALOCK 05000413  
PDR

MAR 05 1986

Mr. H. B. Tucker  
Duke Power Company

Catawba Nuclear Station

cc:  
William L. Porter, Esq.  
Duke Power Company  
P.O. Box 33189  
Charlotte, North Carolina 28242

North Carolina Electric Membership  
Corp.  
3333 North Boulevard  
P.O. Box 27306  
Raleigh, North Carolina 27611

J. Michael McGarry, III, Esq.  
Bishop, Liberman, Cook, Purcell  
and Reynolds  
1200 Seventeenth Street, N.W.  
Washington, D. C. 20036

Saluda River Electric Cooperative,  
Inc.  
P.O. Box 929  
Laurens, South Carolina 29360

North Carolina MPA-1  
Suite 600  
3100 Smoketree Ct.  
P.O. Box 29513  
Raleigh, North Carolina 27626-0513

Senior Resident Inspector  
Route 2, Box 179N  
York, South Carolina 29745

Mr. C. D. Markham  
Power Systems Division  
Westinghouse Electric Corp.  
P.O. Box 355  
Pittsburgh, Pennsylvania 15230

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission,  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

NUS Corporation  
2536 Countryside Boulevard  
Clearwater, Florida 33515

Robert Guild, Esq.  
2759 Rosewood Drive  
Columbia, South Carolina 29205

Mr. Jesse L. Riley, President  
Carolina Environmental Study Group  
854 Henley Place  
Charlotte, North Carolina 28208

Palmetto Alliance  
2759 Rosewood Drive  
Columbia, South Carolina 29205

Richard P. Wilson, Esq.  
Assistant Attorney General  
S.C. Attorney General's Office  
P.O. Box 11549  
Columbia, South Carolina 29211

Karen E. Long  
Assistant Attorney General  
N.C. Department of Justice  
P.O. Box 629  
Raleigh, North Carolina 27602

Piedmont Municipal Power Agency  
100 Memorial Drive  
Greer, South Carolina 29651

Spence Perry, Esquire  
Associate General Counsel  
Federal Emergency Management Agency  
Room 840  
500 C Street  
Washington, D. C. 20472

Mark S. Calvert, Esq.  
Bishop, Liberman, Cook,  
Purcell & Reynolds  
1200 17th Street, N.W.  
Washington, D. C. 20036

Mr. Michael Hirsch  
Federal Emergency Management Agency  
Office of the General Counsel  
Room 840  
500 C Street, S.W.  
Washington, D. C. 20472

Brian P. Cassidy, Regional Counsel  
Federal Emergency Management Agency,  
Region I  
J. W. McCormack POCH  
Boston, Massachusetts 02109

- 2 - Catawba (amendments)

cc:

Mr. Heyward G. Shealy, Chief  
Bureau of Radiological Health  
South Carolina Department of Health  
and Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201

County Manager of York County  
York County Courthouse  
York, South Carolina 29745

Attorney General  
P.O. Box 11549  
Columbia, South Carolina 29211

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MAR 03 1986

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Docket File

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NSIC

PRC System

PWR#4 R/F

MDuncan

KJabbour

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EJordan

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