



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

FEB 06 1986

Docket Nos.: 50-369  
and 50-370

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

Dear Mr. Tucker:

Subject: Staff Interim Acceptance of Safety Parameter Display System -  
McGuire Nuclear Station, Units 1 and 2

The NRC staff has reviewed the McGuire Safety Parameter Display System (SPDS) pursuant to Supplement 1 of NUREG-0737. Our Safety Evaluation Report (SER) is enclosed.

Our SER finds that five variables, or justified alternates, should be added to the SPDS. These variables are: (1) hot leg temperature; (2) residual heat removal flow rate; (3) stack radiation; (4) steam generator (or steamline) radiation, and (5) containment isolation. The SER also finds that actual values for all SPDS input variables should be provided on easily accessible, logically grouped displays. However, because the existing selected variables appear to be consistent with the Emergency Response Guidelines of the Westinghouse Owners Group, and in view of your supporting analyses, these deficiencies over a short term do not constitute serious safety concerns. Accordingly, we conclude that the existing SPDS may be operated as an interim implementation for a reasonable period until these issues are resolved. To this end, your schedule for resolution should be provided to the NRC within 60 days of the date of this letter.

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PDR ADOCK 05000369  
P PDR

Mr. H. B. Tucker

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FEB 06 1986

The SER notes that a description of the improvements to your current data validation methodology should be provided after incorporation of appropriate techniques from Electric Power Research Institute Project RP-2292-1, "Validation and Integration of PWR Signals," and no later than August 1, 1987. The SER also cautions that design flexibility should be provided for possible future expansion of the system.

If you have any further questions, please contact your Project Manager, Mr. Darl Hood, at (301) 492-8060.

Sincerely,

Original signed by:

D. Hood

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

Enclosure:  
As stated

cc: See next page

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Mr. H. B. Tucker

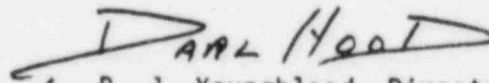
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If you have any further questions, please contact your Project Manager, Mr. Darl Hood, at (301) 492-8060.

Sincerely,

A handwritten signature in dark ink, appearing to read "Darl Hood". The signature is stylized with a large, sweeping "D" and a cursive "Hood".

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

Enclosure:  
As stated

cc: See next page

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Mr. H. B. Tucker  
Duke Power Company

McGuire Nuclear Station

cc:

Mr. A. Carr  
Duke Power Company  
P. O. Box 33189  
422 South Church Street  
Charlotte, North Carolina 28242

Dr. John M. Barry  
Department of Environmental Health  
Mecklenburg County  
1200 Blythe Boulevard  
Charlotte, North Carolina 28203

Mr. F. J. Twogood  
Power Systems Division  
Westinghouse Electric Corp.  
P. O. Box 355  
Pittsburgh, Pennsylvania 15230

County Manager of Mecklenburg County  
720 East Fourth Street  
Charlotte, North Carolina 28202

Mr. Robert Gill  
Duke Power Company  
Nuclear Production Department  
P. O. Box 33189  
Charlotte, North Carolina 28242

Chairman, North Carolina Utilities  
Commission  
Dobbs Building  
430 North Salisbury Street  
Raleigh, North Carolina 27602

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

Mr. Dayne H. Brown, Chief  
Radiation Protection Branch  
Division of Facility Services  
Department of Human Resources  
P.O. Box 12200  
Raleigh, North Carolina 27605

Senior Resident Inspector  
c/o U.S. Nuclear Regulatory Commission  
Route 4, Box 529  
Hunterville, North Carolina 28078

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

L. L. Williams  
Operating Plants Projects  
Regional Manager  
Westinghouse Electric Corporation - R&D 701  
P. O. Box 2728  
Pittsburgh, Pennsylvania 15230