

Docket Nos.: 50-369
and 50-370

29 MAY 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: REQUEST FOR ADDITIONAL INFORMATION REGARDING PRESSURIZED THERMAL
SHOCK PROTECTION - MCGUIRE NUCLEAR STATION, UNITS 1 AND 2

By letter dated January 15, 1986, and in response to 10 CFR 50.61, "Fracture Toughness Requirements for Protection Against Pressurized Thermal Shock," you provided reference temperatures (RT_{PTS}) for the McGuire Nuclear Station reactor vessel beltline materials calculated for the service life of the station. We have reviewed your letter and find that the following additional information is needed to conclude our review:

Provide justifications for the copper and nickel contents and the initial RT_{NDT} values as required by paragraph 50.61 (b) (iii) of the PTS rule, which states:

"Cu" and "Ni" mean the best estimate weight percent of copper and nickel in the material. The source of these values must be included in the assessment. The relationship of the material, on which any measurements were made, to the actual material in the pressure vessel must be described."

For the weld metals, which appear to be controlling for Unit 1, it would be acceptable to describe the weldments on which measurements were made and relate them to the vessel welds by their weld wire heat numbers, giving the individual measurements or the number of measurements, their range and their average. If the values in the submittals are not averages, their derivation should be justified.

Your response is requested within 45 days of this letter. Contact me at (301) 492-8035 if you have questions.

151

Darl Hood, Project Manager
PWR Project Directorate #4
Division of PWR Licensing-A

DSH
PWR#4/DPWR-A
DHood:lr
5/28/86

PWR#4/DPWR-A
MDuncan
5/28/86

KNT
for PWR#4/DPWR-A
BJYoungblood
5/28/86

DISTRIBUTION:

~~Docket File~~ ACRS (10)
NRD PDR PRandall
Local PDR CYCheng
PD#4 R/F DCrutchfield
BJYoungblood
OELD
EJordan
BGrimes
DHood
MDuncan

8606020293 860529
PDR ADOCK 05000369
P PDR

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
Huntersville, 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