

Duke Power Company  
Nuclear Production Dept.  
P.O. Box 1007  
Charlotte, N.C. 28201-1007

M.S. TUCKMAN  
Vice President  
Nuclear Operations  
(704)373-3851



**DUKE POWER**

December 3, 1990

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Subject: Oconee Nuclear Station  
Docket No. 50-270  
Second Ten Year Interval  
Request for Relief No. 90-06

Gentlemen,

Pursuant to 10CFR 50.55a, please find attached request for relief number 90-06 from the requirements of Section XI of the ASME Boiler and Pressure Vessel Code (with Addenda through Winter 1980). This request is being submitted due to the impracticality of code repair being made during plant operation. This letter is a follow-up to prior approval from the NRR on November 30, 1990.

Very truly yours,

*M. S. Tuckman*

Mike S. Tuckman

LBJ/7

Attachment

9012100133 901203  
PDR ADOCK 05000270  
P FDC

*Pool  
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cc: W/Diagram

Mr. L. A. Wiens  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
One White Flint North, Mail Stop 9H3  
Washington, D.C. 20555

W/O Diagram

Mr. S. D. Ebnetter  
Regional Administrator, Region II  
U. S. Nuclear Regulatory Commission  
101 Marietta St., NW., Suite 2900  
Atlanta, Georgia 30320

Mr. Heyward Shealy, Chief  
Bureau of Radiological Health  
S. C. Department of Health and  
Environmental Control  
2600 Bull Street  
Columbia, S. C. 29201

Mr. P. H. Skinner  
NRC Resident Inspector  
Oconee Nuclear Station

Duke Power Company  
Oconee Nuclear Station  
Second Ten Year Interval  
Request for Relief No. 90-06

I. Component for Which Relief is Requested:

(a) Name and Number:

Pinhole leak on the 1" socket weld pipe cap downstream of valve 2FDW-37.

(b) Function: N/A

(c) ISI Class/Duke Class:

ISI Class B/Duke Class F.

(d) IWV-2200 Valve Category:

N/A

(e) Design Pressure: 1275 psig  
Design Temp: 475°F  
Material: 1-inch carbon steel

II. Reference Code Requirement that has been Determined to be Impractical:

ASME Boiler and Pressure Vessel Code Section XI, 1980 Edition (with Addenda through Winter 1980) Article IWA-4400, which requires that repairs shall be made in accordance with this Article and IWC-4000 for Class 2 pressure retaining components.

III. Basis for Requesting Relief:

In order to perform a code repair to this component, Unit 2 would require an undesired shutdown/startup cycle. Generic Letter 90-05 dated June 15, 1990, addresses the applicability of temporary non-code repairs under these conditions with prior relief from the NRC.

IV. Alternate Repair: The leak has been repaired temporarily by the use of a non-ASME code engineered mechanical clamp.

V. Evaluation of Acceptability of Proposed Repair With Respect to the Level of Quality and Safety as Well as Public Health and Safety:

Generic Letter 90-05 addresses the applicability of a temporary non-code repair. The use of an engineered mechanical clamp is an acceptable temporary repair since an engineering evaluation indicates this type clamp is designed to meet the load-bearing requirements of the piping, assuming that the flaw is completely through the wall for 360°, that is, all around the pipe circumference, at the location of the flaw.

VI. Implementation Schedule:

The temporary repair was implemented (per verbal authorization) on November 30, 1990. Permanent repair will be performed in compliance with Section XI of the ASME Boiler and Pressure Vessel Code, Article IWA-4000 during the next cold shutdown of Unit 2 following the temporary repair of November 30, 1990.

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