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SUBJECT: Forwards request for relief number 91-03 from requirements of section XI of ASME Boiler & Pressure Vessel Code. Request submitted due to impracticality of insp program for reactor coolant pump casing welds & casing as required by code.

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DUKE POWER

August 20, 1991

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Subject: Oconee Nuclear Station
Docket Nos. 50-269
Second Ten Year Interval
Request for Relief No. 91-03

Pursuant to 10 CFR 50.55a, please find attached request for relief number 91-03 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 the inspection program for Reactor Coolant Pump casing welds and casing as required by code in each inspection interval.

Please review and approve this request prior to February 1, 1992.

Very truly yours,

M. S. Tuckman

rr9103/lbj

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Duke Power Company
Oconee Nuclear Station
Second Ten Year Interval
Request for Relief No. 91-03

I. Component for Which Relief if Requested:

(a) Name and Number:

Unit 1 Reactor Coolant Pump 1A2 (Duke System No. 50).

(b) Function:

The Reactor Coolant Pump recirculates primary (borated coolant water from the Once Through Steam Generator (OTSG) in its respective loop to the reactor vessel.

(c) ASME Code Class:

ASME Section XI, Class 1

(d) IWV-2200 Valve Category:

N/A

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 IWB-2000, Table IWB-2500-1 and Subsection IWB-2420(a) which require the following:

Table IWB-2500-1, Item B12.10 Pump Casing Welds require all welds and Item B12.20 Pump Casing require internal surface welds shall be examined in successive inspection intervals as established in the first inspection interval with deferral of inspection to end of interval permissible. Subsection IWB-2420(a) requires that the sequence of component examinations established during the first inspection interval shall be repeated during each successive inspection interval to the extent practical.

III. Basis for Requesting Relief:

During the first inspection interval, the Reactor Coolant Pump 1A2, Casing Welds and Casing, were examined during the third period. In order to comply with code, it is necessary to examine these components during the third period of the second inspection interval. This examination will require approximately 10,304 man-hours and approximately 30 person-rem to disassemble and reassemble the Reactor Coolant Pump.

IV. Alternate Examination:

Volumetric and visual examinations on the Pump Casing Welds and Pump Casing on 1A2 Reactor Coolant Pump that are required by ASME Boiler and Pressure Vessel Code Section XI will be deferred to such time when maintenance activities require disassembly of the Reactor Coolant Pump.

V. Implementation Schedule:

Upon approval of this request, the above examinations will take place at the next disassembly of the Unit 1A2 Reactor Coolant Pump.