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May 16, 2001

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

SUBJECT: Oconee Nuclear Station - Unit 2
Docket No. 50-270
Supplemental Information
Request to use an Alternative to ASME Boiler and
Pressure Vessel Code, Section XI in accordance with
10 CFR 50.55a(a)(3)(ii) (RR 01-08, S1)

By letter dated May 13, 2001, Duke Energy Corporation (DEC) requested, pursuant to 10 CFR 50.55a(a)(3)(ii), the use of alternatives to portions of the ASME Boiler and Pressure Vessel Code, Section XI, Subsections IWA-4170(d) and IWA-4310, 1992 Edition with no addenda for Oconee Unit 2.

Approval of this request would allow, in part, the use of an alternate to the flaw removal requirements of IWA-4170 and associated requirements for the repair of Class A Reactor Vessel head components. During a conference call on May 14, 2001, the NRC requested additional information about the location and characteristics of flaws that may be identified at the repair area triple point.


Post-repair ultrasonic examination has been completed as described in Request for Alternate 01-06, Revision 1, concerning non-destructive examination. Evaluation of the examination results as described in Request for Alternate 01-08, concerning flaw removal, has concluded that the weld repairs of all four CRDM nozzles (Nos. 4, 6, 18, and 30) are acceptable. Nozzles 4, 6, and 30 have no recordable indications or triple point anomaly: A weld solidification anomaly was detected at the triple point of Nozzle 18 with the 45 degree L-wave transducer looking down. It was not detected with the 70 degree L-wave transducer. The anomaly runs

A047

intermittently around the circumference of the nozzle at the triple point and has a maximum depth of 0.060 inch. The extent of the intermittent anomaly is approximately 75% of the nozzle circumference. This region has been analyzed for this type of indication and flaws of this size and extent are acceptable as described in Request for Alternate 01-08.

Questions regarding this request may be directed to Robert Douglas at (864) 885-3073.

Very truly yours,



William R. McCollum,
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