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December 14, 2005

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
11555 Rockville Pike
Rockville, Maryland 20852

Subject: Oconee Nuclear Station, Unit 2
Docket No. 50-270
60-Day Response to NRC Bulletin 2004-001: "Inspection of Alloy
82/182/600 Materials used in the Fabrication of Pressurizer
Penetrations and Steam Space Piping Connections at Pressurized-
Water Reactors"

Pursuant to 10 CFR 50.54(f), this letter and enclosure provide Duke Energy Corporation's (Duke) response to NRC Bulletin 2004-01, Item (2)(a), for the Oconee Nuclear Site Unit 2 (ONS-2). This item requested that Duke provide inspection results within 60-days of plant restart following the next inspection of the Alloy 82/182/600 materials used in the fabrication of pressurizer penetrations and steam space piping connections. The purpose of this inspection was to detect leakage and adequately characterize potential flaws due to the primary water stress corrosion cracking (PWSCC) associated with components containing these alloys.

Results revealed that there were no leaks observed for any of the ONS-2 pressurizer Alloy 82/182/600 components inspected. If there are any questions regarding this information, please contact Stephen Newman, Oconee Regulatory Compliance Group, at (864) 885-4388.

Very truly yours,

R. A. Jones, Vice President
Oconee Nuclear Site

ENCLOSURE

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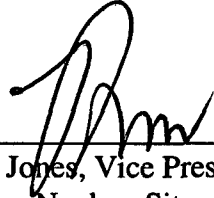
cc:

W. D. Travers, Regional Administrator
Region II

M. C. Shannon, Senior Resident Inspector
Oconee Nuclear Site

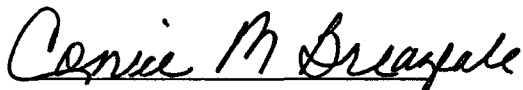
Mr. L. N. Olshan, Project Manager
Office of Nuclear Reactor Regulation

R. A. Jones, being duly sworn, states that he is Vice President, Oconee Nuclear Site, and that all the statements and matters set forth herein are true and correct to the best of his knowledge.



R. A. Jones, Vice President
Oconee Nuclear Site

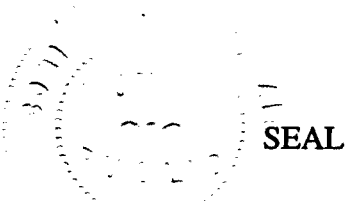
Subscribed and sworn to before me this 14 day of December 2005


Notary Public

My Commission Expires:

12/19/12

(date)



ENCLOSURE
Oconee Nuclear Site
Response to NRC Bulletin 2004-01, Item (2)(a)

Requested Information

As required by Bulletin 2004-01, Item (2)(a): Within 60 days of plant restart following the inspection of the Alloy 82/182/600 pressurizer penetrations and steam space piping connections, submit to the NRC a statement indicating that the inspections described in Duke's previous response to item (1)(c) of this bulletin were completed and a description of the as-found condition of the pressurizer shell, and findings of relevant indications of through-wall leakage, follow-up NDE performed to characterize flaws in leaking penetrations or steam space piping connections, a summary of all relevant indications found by NDE, a summary of the disposition of any findings of boric acid, and any corrective actions taken and/or repairs made as a result of the indications found,

Duke Response: The inspections described in Duke Power's response to paragraph (1) (c) were all completed for the ONS2 Pressurizer components during the 2EOC21 refueling outage between October and December 2005. No indication of any leakage was observed from any of the Pressurizer connections examined.

or (b) if the licensee was unable to complete the inspections described in response to item (1)(c) of this bulletin, submit to the NRC summary of the inspections performed, the extent of the inspections, the methods used, a description of the as-found condition of the pressurizer shell, any findings of relevant indications of through-wall leakage, follow-up NDE performed to characterize flaws in leaking penetrations or steam space piping connections, a summary of all relevant indications found by NDE, a summary of the disposition of any findings of boric acid, and any corrective actions taken and/or repairs made as a result of the indications found. In addition, supplement the answer which you provided to item (1)(d) above to explain why the inspections that you completed were adequate for the purpose of maintaining the integrity of your facility's RCPB and for meeting all applicable regulatory requirements which pertain to your facility.

Duke Response: No response to this paragraph is required, as all the ONS2 Pressurizer component examinations scheduled for 2EOC21 were performed and no leakage was observed.