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SUBJECT: Responds to Action Item 5 of NRC Bulletin 88-004, "Potential Safety-Related Pump Loss," consisting of corrective actions to address two miniflow design concerns. Min recirculation loop orifices for emergency feedwater pumps replaced.

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DUKE POWER

October 12, 1992

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

Subject: Oconee Nuclear Site
Docket Nos. 50-269, -270, -287
NRC Bulletin No. 88-04
Potential Safety Related Pump Loss
Action Item No. 5 Report

Dear Sir:

NRC Bulletin No. 88-04 concerning potential safety related pump loss was issued May 5, 1988. This Bulletin requested investigation and correction, as applicable, of two miniflow design concerns. The purpose of this letter is to respond to action No. 5 of the Bulletin by describing the actions completed to resolve the long term corrective actions that were identified in our status update submittal letter dated January 10, 1991.

Oconee LPI Pumps

1. The minimum recirculation loop orifice bore was increased to meet the manufacturer's recommended minimum flow requirement for 30 minute operation. This modification was completed on all Units 1, 2 and 3 on 8/14/90.
2. Emergency procedures EP/1,2 & 3/A/1800/01 were changed to alert operators and station response personnel of the LPI pump minimum flow concerns for continuous operation during the piggyback mode of operation. A caution was added to the procedures addressing the minimum flow concerns. A training package was sent to all licensed personnel concerning the change. This was completed on 2/26/90.
3. Operating procedures OP/1,2, & 3/A/1102/15 which control filling and draining of the Fuel Transfer Canal were changed to require IWP testing of any LPI pump following low flow operation below the manufacturer's recommendation for three hour operation. This was completed on 5/31/90.

Oconee Turbine Driven Emergency Feedwater Pumps

1. The minimum recirculation loop orifices for Unit's 1, 2 and 3 Turbine Driven Emergency Feedwater Pumps have been replaced to meet the most recent manufacturer's recommended minimum flow requirements. This was completed on 9/28/92.

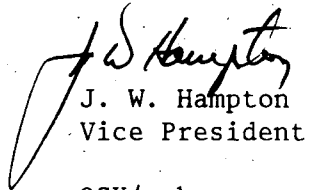
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Should you have further questions, please feel free to contact M.E. Patrick at
(803) 885-3292.

Very truly yours,

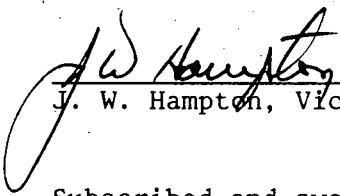


J. W. Hampton
Vice President

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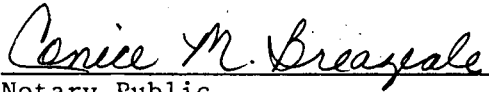
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J. W. Hampton, being duly sworn, states that he is Site Vice President of Duke Power Company, that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this revision to the Oconee Nuclear Station License Nos. DPR-38, DPR-47, and DPR-55; and that all statements and matters set forth therein are true and correct to the best of his knowledge.



J. W. Hampton, Vice President

Subscribed and sworn to before me this 14 day of October, 1992.



Notary Public

My Commission Expires:

3-21-93

xc:

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Oconee Nuclear Site