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       50-287 Oconee Nuclear Station, Unit 3, Duke Power Co.      05000287

AUTH. NAME                      AUTHOR AFFILIATION  
 TUCKER, H.B.                    Duke Power Co.  
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SUBJECT: Application for amends to Licenses DPR-38, DPR-47 & DPR-55, changing TS 2.3 re reactor coolant pump monitor setpoint.

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Duke Power Company  
P.O. Box 33198  
Charlotte, N.C. 28242

HAL B. Tucker  
Vice President  
Nuclear Production  
(704)373-4531



DUKE POWER

July 9, 1990

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

Subject: Oconee Nuclear Station  
Docket Nos. 50-269, -270, -287  
Proposed Technical Specification 2.3 Revision  
Reactor Coolant Pump Monitors Setpoint

Dear Sir:

Pursuant to 10 CFR 50, 50.90, please find attached (Attachment 1) a proposed amendment to the Oconee Nuclear Station (ONS) Facility Operating Licenses and revisions to the ONS Technical Specifications (TSs). The proposed amendment would revise TS 2.3 to establish Reactor Protective System (RPS) trip setpoint for the Reactor Coolant Pump monitors.

The proposed amendment includes two changes:

- o A revision to TS 2.3 which would require pump monitors to produce a reactor trip when a loss of two pumps occurs and the reactor is at power operation greater than 2.0% full power instead of the current requirement which is at power levels greater than 0.0% of rated power.
- o Table 2.3-1 is revised accordingly to require a pump monitor trip setpoint at power operation greater than 2.0% full power and loss of two reactor coolant pumps.

This proposed amendment is prompted due to a recent event (See LER 269/90-06 dated May 30, 1990) in which the pump monitor trip function generated a trip signal during the cooldown following Unit 1 End-of-Cycle 12. A reactor trip occurred when two pumps were operating and the reactor was subcritical. The trip appears to have been caused by electrical noise which resulted in indicated reactor power which exceeded the current 0.0% Full Power setpoint. This amendment would revise the pump monitor trip function setpoint in order to avoid future spurious reactor trips during cooldowns with two pumps operating.

I have determined the attached proposed amendment involves no significant hazards considerations. Attachments 2 and 3 provide the supporting

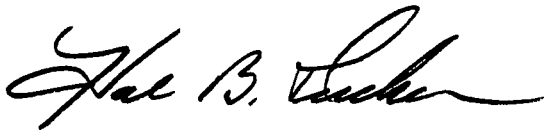
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technical justification and the No Significant Hazards Consideration Evaluation, respectively. I am forwarding a copy of this application to the South Carolina Department of Health and Environmental Control for review and, as appropriate, subsequent consultation with the staff.

I respectfully request your review and approval of this proposed amendment prior to the upcoming refueling outage for Unit 2, currently scheduled to begin on September 6, 1990. This will enable us to implement the new pump monitor setpoint prior to the unit shutdown.

Very truly yours,



Hal B. Tucker

MAH/98/lcs

Attachments

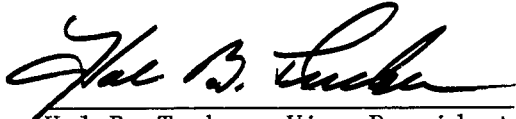
xc: Mr. S. D. Ebnetter  
Regional Administrator, RII  
U. S. Nuclear Regulatory Commission  
101 Marietta St., NW, Suite 2900  
Atlanta, Georgia 30323

Mr. L. A. Wiens, Project Manager  
U. S. Nuclear Regulatory Commission  
Division of Reactor Projects  
Washington, D.C. 20555

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

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

Hal B. Tucker, being duly sworn, states that he is 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.



Hal B. Tucker, Vice President

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 1990.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_