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*See Proposed
Change To
Tech Specs*

SUBJECT: Application for amends to licenses DPR-38, DPR-47 & DPR-55,
addressing operability of equipment installed by MSLB
detection & feedwater isolation circuitry mod. TS amend
completes closure of Insp & Enforcement Bulletin 80-04.

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DUKE POWER

July 15, 1997

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

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
Proposed Revision to Technical Specifications
Technical Specification Change # 95-03
Supplemental Response to IEB 80-04

During a reanalysis of an Oconee Nuclear Station (ONS) main steam line break (MSLB) accident inside containment, with a failure to take operator action to isolate feedwater, Duke concluded that the potential for containment overpressurization existed. The new MSLB accident analysis included more detailed modeling of the feedwater boundary conditions and the stored energy in Reactor Coolant System steel structures. These analytical improvements resulted in greater mass and energy release inside containment. As a result of this reanalysis, Duke committed to install a MSLB detection and feedwater isolation circuitry modification on each ONS unit. The MSLB detection and feedwater isolation circuitry modification installs circuitry to initiate automatic feedwater isolation, in lieu of existing manual action, to more rapidly isolate feedwater flow following a MSLB. In addition, it has been determined that a Technical Specification is necessary to address operability of the equipment installed by the MSLB detection and feedwater isolation circuitry modification.

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Pursuant to 10 CFR 50.90, Attachment 1 provides a proposed amendment to the ONS Facility Operating Licenses and Technical Specifications. Attachment 2 provides a markup copy of the current Technical Specifications. This NRC Technical Specification amendment is submitted to complete the closure of Inspection and Enforcement Bulletin 80-04.

The modifications to install MSLB detection and feedwater isolation circuitry were completed for Units 1, 2, and 3 in the 1EOC16, 2EOC15, and 3EOC16 refueling outages respectively. The MSLB circuitry is in service and operating properly under the requirements of a Selected Licensee Commitment (SLC). All Emergency Operating Procedures, Operating Procedures, Maintenance and Test Procedures, and Operations simulator training are in place for the MSLB circuitry.

The proposed changes for the MSLB circuitry are consistent with what is foreseen for the future at ONS following implementation of the new Improved Technical Specifications (ITS). This particular specification will be converted to the ITS format and will be included with the ONS ITS submittal which is scheduled to be submitted by October 31, 1997.

The proposed amendment has been approved by both the ONS Plant Operations Review Committee and the Nuclear Safety Review Board. Revisions are required to Chapters 6, 7, 10, and 15 of the UFSAR to support this license amendment.

Attachment 3 and the Bases of the Technical Specifications provide the supporting technical justification. Attachments 4 and 5 provide the No Significant Hazards Consideration Evaluation and Environmental Impacts Analysis respectively.

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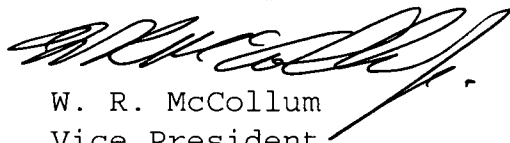
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A copy of this application has been forwarded to the South Carolina Department of Health and Environmental Control for information.

If there are any additional questions, please call David Nix at (864) 885-3634.

Very truly yours,



W. R. McCollum
Vice President
Oconee Nuclear Site

DAN

Attachments

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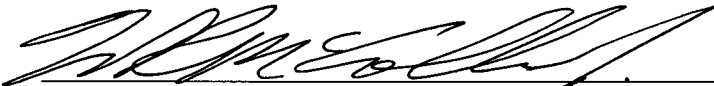
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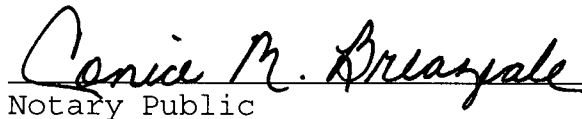
Mr. M. Batavia
DHEC

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



W. R. McCollum, Vice President
Oconee Nuclear Site

Subscribed and sworn to me this 15th day of July, 1997.



Conica M. Breazale
Notary Public

My Commission expires:

2-12-2003