UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SUPPLEMENTAL SAFETY EVALUATION REPORT NO. 2
DETAILED CONTROL ROOM DESIGN REVIEW
OCONEE NUCLEAR STATION, UNITS NOS. 1, 2 AND 3
DUKE POWER COMPANY
DOCKETS NOS. 50-269, 50-270 AND 50-287

Introduction

By letter dated August 9, 1985, Duke Power transmitted a supplemental response to the NRC Supplemental Safety Evaluation Report (SER), dated June 10, 1985. Duke Power's submittal is accepted for the following items: HED 0-1-0575 and 0-1-253. The HED implementation plan for Units 1 and 2 is extremely long, requiring four refueling outages to complete. The staff position is that all HEDs be implemented by the completion of the next three refueling outages for Units 1, 2, and 3. For Unit 1, this would be the end of fuel cycle No. 11 and the end of fuel cycle No. 10 for Units 2 and 3.

Discussion and Evaluation

Duke Power supplemental response addressed three areas of concern expressed by the NRC Supplemental Safety Evaluation Report. The first two are HED 0-1-0253 and 0-1-0575 and the last is the HED modifications implementation schedule.

1. HED 0-1-0253 concerns the installation of engraved nameplates above several existing meters. The licensee will ensure that nameplates will be more readable and will provide consistent labeling. This agrees with NUREG-0700, Guidelines 6.6.3.3.b and c.

2. HED-0-1-0575 concerns several meters with inconvenient or hard-to-use scales graduations. The licensee will change meter scale graduations to be consistent with the instrument's required use. This agrees with NUREG-0700, Guideline 6.5.1.5.c.

   The staff concludes there is sufficient information to accept Duke's proposal for HED 0-1-0253 and HED 0-1-0575.

3. The third area of concern is Oconee's HED modification implementation schedule. The staff reviewed Duke's supplemental response and each remaining HED modification to determine significance. In the supplemental response, the licensee provided an implementation schedule that would require for Units 1 and 2 four refueling outages to complete, and three refueling outages for Unit 3. A review of the fourth refueling outage schedules indicates that Unit 1 has three HEDs to complete and Unit 2 has only two HEDs to complete. Unit 1 HEDs are: (1) 0-1-504A - Install individual RCP seal flow indication in the control room, (2) 0-1-095 - Remove all

non-functional devices and cover the resulting holes in the boards, and (3) 0-1-118 - Rearrange vertical board 1. Unit 2 HEDs are: (1) 0-2-070 - remove all non-functional devices and cover the resulting holes in the boards, and (2) 0-2-089 - rearrange vertical board 1. Oconee 1 is scheduled for an outage in February 1986. This would be the first refueling outage for HED modification with the planned HED implementation schedule spread over the next four refueling outages. The completion date for HED modification would be approximately late 1990. Additionally, Unit 2 is scheduled for a refueling outage in October 1986. This would also be the first outage for HED modification for Unit 2. Unit 2 HED modifications are scheduled for four outages also and this would place completion of all HED modification by mid 1991. Unit 3 has completed its first refueling outage for HEDs and the provided schedule indicates that the HED modification will be complete by the third refueling outage or approximately the Fall of 1988.

Duke Power states in their supplemental response that there is approximately a one- to two-year lead time requirement to perform all necessary actions in order to implement any modification in a plant. The HED implementation schedule proposed by Duke Power of four refueling outages for Units 1 and 2 is excessively long. The staff recommends that all HED modifications be completed by the end of the third refueling outage for each unit. For Unit 1, this would be the end of fuel cycle number 11 and the end of fuel cycle number 10 for Units 2 and 3. This amount of time would allow the one-to two-year lead time Duke Power states is required and would complete all modifications by the fall of 1989. This only requires Duke Power to reschedule five HED modifications; three for Unit 1 and two for Unit 2.

Conclusion

Duke Power has adequately addressed the remaining HED items contained in the staff's June 10, 1985, Supplemental SER. The proposed Oconee HED implementation schedule is excessively long as submitted by the licensee on August 9, 1985. An implementation schedule that completes all HED modifications within three refueling outages is acceptable for implementing the HED required corrective action.

Principal Contributor:

H. Christensen

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