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DUKE POWER

August 1, 1994

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

Subject: Oconee Nuclear Station  
Docket Nos. 50-269,-270,-287  
Corrective Actions for October 19, 1992 Loss of  
Offsite Power and EDSFI Findings (Inspection Report  
50-269,-270,-287/93-02)

Attached is the quarterly update of the status of the commitments resulting from the October 19th Loss of Offsite Power event. No commitment items on the list were scheduled for completion during the last quarter.

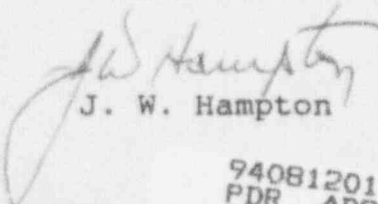
The response to the findings in Inspection Report 50-269,-270,-287/93-02 included a commitment to perform the switchyard isolation test using the second channel of the switchyard isolation relays. This item was completed during the UIEOC15 refueling outage.

Finding 6A indicated that MP/0/A/2001/02 would be revised to include specific guidance on check valve inspection and air pressure switch testing. A minor modification to the system needs to be completed prior to the implementation of the testing. Therefore, the completion date for this item has been extended to 12/31/94 from 06/01/94.

The response for Finding 6B indicated that the coolers at Keowee would be reviewed and any maintenance or testing revisions will be made as deemed necessary. The due date has been extended from 07/01/94 to 09/01/94. The extension is needed to incorporate the coolers into the ISI/IST program. This is the second extension for this item.

The extensions listed above are the first for the corrective actions unless otherwise specified. If there are any questions, please contact Steve Benesole at (803) 885-3292 or Michael Bailey (803) 885-4390.

Very Truly Yours,

  
J. W. Hampton

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xc: L. A. Wiens, Project Manager  
ONRR

P. E. Harmon, Senior Resident Inspector  
Oconee Nuclear Station

S. D. Ebnetter, Regional Administrator  
Region II

DUKE POWER COMPANY  
OCONEE NUCLEAR STATION  
ATTACHMENT

Commitments from October 19, 1992 Event

# Commitments from October 19, 1992 Event

## Schedule

1. Evaluation of NRC communications applicable to Keowee with schedule for resolution

Completed 2/28/94

### Switchyard Equipment, Design and Testing Commitments:

2. Switchyard battery charger testing
3. Switchyard breaker failure relay modifications
4. Switchyard synchroscope repair
5. Overhead emergency power path integrated test

Completed 6/93

Completed prior to Oconee 2 restart

Completed 2/24/93, Tested 3/16/93

Completed 5/93

### Keowee Auxiliary Power System Equipment, Design, and Testing Commitments:

6. Westinghouse DB breaker modifications to provide electrical anti-pump logic
7. Westinghouse DB breaker modifications to add time delay in breaker closing circuit (allows closing with reduced DC voltage)
8. MG-6 relay review for repair and PM program

Completed 7/92  
(Keowee Unit 1)  
Completed 11/92  
(Keowee Unit 2)

Completed 12/92

Review completed:  
7/93 (Keowee)  
2/93 (Oconee Unit 1)  
6/93 (Oconee Unit 2)  
1/94 (Oconee Unit 3)

9. MG-6 relay replacement in Keowee auxiliary transfer circuits
10. Keowee auxiliary bus transfer logic modification
11. Keowee auxiliary bus transfer logic timing circuitry testing
12. Keowee black start test

Completed September 1993

Completed September 1993

Completed September 1993

Completed December 1992

Keowee Unit Protection Equipment, Design and  
Testing Commitments:

Schedule:

- |     |   |  |
|-----|---|--|
| 13. | Trip function on low voltage at main step-up transformer modification not to affect operating Keowee Unit | Completed November 2, 1992   |
| 14. | Deletion of speed switch from field circuits  | Completed July 1992<br>(Keowee Unit 1)<br>Completed November 1992<br>(Keowee Unit 2) |
| 15. | Keowee load rejection test while aligned to grid  | Completed October 25, 1992   |
| 16. | Keowee zone relay protection single failure vulnerability   | December 1994 (currently administratively controlled)                                |

Other Keowee support items Equipment, Design and  
Testing Commitments:

- |     |   |  |
|-----|---|--|
| 17. | Keowee computer typer connection to computer power supply inverter  | Completed prior to Oconee 2 restart                      |
| 18. | Keowee statalarm modification to power from uninterruptible source  | Completed January 29, 1993                               |
| 19. | Events recorder replacement<br>- Switchyard<br>- Keowee<br>- Oconee | Completed December 1993<br>December 1994<br>October 1994 |
| 20. | Review of IEB 79-27 related power supplies                          | Completed January 28, 1993                               |

Communications Equipment:

- |     |   |                         |
|-----|---|-------------------------|
| 21. | Facility telephone system cable and battery backup  | Completed March 1993    |
| 22. | Base radio system from Keowee control room to Oconee control room                                   | Completed November 1992 |
| 23. | Hand held radios capable of transmitting from the Keowee generator floor to the Oconee control room | Completed November 1992 |

Keowee Operator Training Upgrade PlanSchedule:

- |     |  |                         |
|-----|--|-------------------------|
| 24. | Keowee personnel training on requirements of Operations Management Procedure 5-2, "Duties and Responsibilities of Keowee Station Personnel"      | Completed November 1992 |
| 25. | Task Qualification of Keowee operators to all Keowee operating, testing and maintenance procedures relating to the emergency operation of Keowee | Completed November 1992 |
| 26. | Job Analysis   | Completed May 1993      |
| 27. | Task Analysis (includes lesson plan development and/or training and qualification guide)   | Completed August, 1993  |
| 28. | Individual operator knowledge and skills assessment and upgrade  | Completed December 1993 |

Keowee Emergency Response Procedure

- |     |   |                        |
|-----|---|------------------------|
| 29. | "Emergency Start Actuated" indicating light added to Keowee control boards. | Completed October 1992 |
| 30. | Keowee EOP  | Completed October 1992 |

Keowee Emergency Response Training

- |     |   |                         |
|-----|---|-------------------------|
| 31. | Job Performance Measures (JPMs) developed to verify loss of auxiliary power or supply of power to Oconee from Keowee scenarios  | Completed November 1992 |
| 32. | All Keowee personnel trained and qualified to all 5 JPMs  | Completed November 1992 |
| 33. | Oconee licensed operators given walk-through training on these JPMs   | Since October 1992      |
| 34. | Refresher training for Oconee operators to perform remote startup and operation of Keowee from the Oconee control room  | Completed June 1993     |
| 35. | All Oconee shift operators (licensed and non-licensed) to be qualified to task OOI745801, "Perform Required Actions for an Emergency Start of the Keowee Hydro Units" | Completed August 1993   |

Oconee Loss of Offsite Power Procedure

Schedule:

- |     |   |                         |
|-----|---|-------------------------|
| 36. | Revised to include all steps necessary to recover offsite power to Oconee | Completed December 1992 |
| 37. | Revised to include both dead bus and live bus transfer options            | Completed December 1992 |
| 38. | Live bus transfer functionally tested and verified                        | Completed March 1993    |