



ARKANSAS POWER & LIGHT COMPANY

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June 29, 1979

1-069-22

Director of Nuclear Reactor Regulation
ATTN: Mr. R. W. Reid, Chief
Operating Reactor Branch #4
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Schedule for Long-Term Modifications
(File: 1510.1)

Gentlemen:

By letter from your Mr. Denton to our Mr. Cavanaugh, dated May 31, 1979, we were requested to provide you with our schedule for completion of the long-term modifications described in Section II of the May 17, 1979 Order. In accordance with that request, the following is provided:

Item 1a

We will provide a vital AC power supply to the motor driven emergency feed-water (EFW) pump no later than October 31, 1979. An auto start feature will be incorporated as part of this modification. This modification will be accomplished during the month of October, 1979, unless procurement of equipment and completion of engineering will support an earlier date. We expect completion of engineering and procurement of equipment by September 1, 1979.

Development of the Auxiliary (Emergency) Feedwater Control System (AFWCS) is being actively pursued at this time. Our current schedule expects finalization of a generic concept on or before October 31, 1979. Provided we receive your approval of the generic concept within two (2) weeks of submittal and procurement of equipment takes no longer than fourteen (14) months from date of order, we will incorporate this modification during our next refueling outage.

Item 1b

The EFW suction piping modification to improve system separation is under investigation/review. We expect completion of engineering and procurement of materials by August 1, 1979. This modification will be accomplished in accordance with the schedule delineated in Section II of the May 17

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Order (i.e., during the next outage (following completion of the design change engineering) to cold shutdown conditions which is of sufficient length to accommodate the change, but no later than the next refueling outage).

Item 1c

The modification to provide control room annunciation for auto start conditions of the EFW system was completed by May 31, 1979. This design change was submitted to you in a letter dated May 11, 1979.

Item 1d

Equipment for addition of a redundant pressure switch to the EFW pump suction and a redundant low pressure annunciation in the control room is being evaluated. Procurement of equipment will follow our evaluation and accomplishment will be in accordance with the schedule delineated in Section II of the May 17 Order.

Item 2

The failure modes and effects analysis (FMEA) of the Integrated Control System (ICS) will be submitted to you by B&W during mid-July, 1979.

Item 3

The proposed design of the safety-grade anticipatory reactor trips on loss of main feedwater and/or turbine trip was submitted to you by letter dated May 21, 1979. We are awaiting approval by your staff of the design before we begin procurement of equipment. We will implement this modification in accordance with the schedule delineated in the May 17 Order provided timely approval of our proposed design is obtained.

Item 4

Operator training and drilling of response procedures has been and will continue to be part of our training program. Training schedules of our operators will reflect lessons learned from the TMI-2 incident.

Very truly yours,

John M. Griffin

David C. Trimble
Manager, Licensing

DCT:DGM:lg

cc: Mr. W. D. Johnson
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