

MEETING SUMMARY DISTRIBUTION

ORB#4

Mr. William Cavanaugh, III
Vice President, Generation
and Construction
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Docket File

NRC PDR

L PDR

ORB#4 Rdg

NRR Rdg

H. Denton

E. G. Case

V. Stello

D. Eisenhut

R. Vollmer

W. Russell

B. Grimes

T. J. Carter

A. Schwencer

D. Ziemann

T. Ippolito

R. Reid

V. Noonan

P. Check

G. Lainas

G. Knighton

Project Manager

OELD

OI&E (3)

R. Ingram

R. Fraley, ACRS (16)

Program Support Branch

TERA

J. R. Buchanan

Meeting Summary File

NRC Participants

B. Boger

D. Fischer

F. Ashe

R. Wessman

T. Novak

G. Mazetis

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

May 14, 1979

Docket No.: 50-313

LICENSEE: ARKANSAS POWER & LIGHT COMPANY

FACILITY: ARKANSAS NUCLEAR ONE-Unit 1

SUBJECT: SUMMARY OF MEETING HELD ON MAY 9, 1979, WITH AP&L CONCERNING
THE AP&L COMMITMENT WITH REGARD TO THE CONFIRMATORY ORDER

Introduction

The subject meeting discussed the short term modifications which were committed to by AP&L in their letter of May 3, 1979, and which would appear subsequently in a Order. The meeting also discussed and defined the necessary supporting material which was necessary for the staff to complete the review of the licensee's commitments.

The attendees are identified in Enclosure 1.

Conclusions

The staff requested and AP&L agreed to provide the following:

1. One line Electrical drawings of the Integrated Control System and the reactor trip circuit for the loss of feedwater trip and turbine trip.
2. Associated operating and surveillance procedures for the proposed modified hard wire reactor trip on loss of feedwater and /or turbine trip.
3. A single line diagram showing the arrangement of the essential bus and the nonessential bus which provides power to the EFW pump electric motor together with the tie breaker and the breakers which connect the loads to the nonessential bus.
4. Data on number of times the turbine driven EFW pump has been called upon to operate other than for testing, surveillance, or maintenance.

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5. By 10:00 a.m., May 10, 1979, feasibility of performing a test to demonstrate the operations of the motor driven EFW pump during a loss of off-site power.
6. A discussion on the method of tripping the EFW system as compared to other plants.
7. From Enclosure 1 of the AP&L letter dated May 3, 1979:
 - a) Submit the procedures which are to assure timely starting of the motor driven EFW pump from an ES bus for loss of offsite power. Discuss alternatives for the short term which would further reduce the manual actions needed. Discuss the time available & the analytical basis.

Discuss the overall reliability of the EFW system with regard to the operating history at Arkansas. Compare and justify the EFW actuation signals to alternate signals (i.e., 1600 psig RCS pressure, 4 psig containment pressure, or low OTSG level).
 - b) Submit the procedures that the operator will use during the surveillance or maintenance mode to carry out valve alignment changes upon EFW demand events.
 - c) Submit procedures for the manual initiation & control of EFW following ICS failure (and controlling EFW independent of ICS). Discuss the time available and the analytical basis.
 - d) Submit procedures for providing alternate sources of water to the EFW pump suction.
 - e) Submit the auto start modification for the motor driven pump.
 - f) Submit procedures which provide guidance for timely operator verification of automatic initiation of EFW.
8. Provide a discussion of the need for, and description of, the improvements in the suction piping to the EFW pumps. Include specific comment on effect on required operator actions and relate to item 7d above.

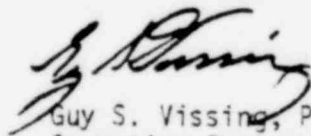
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9. Describe the flow modification to the EFWS and discuss testing/calibration plans.
10. Submit the control room mod. on annunciation of EFW auto start and the procedure for timely verification of auto start.
11. Provide a discussion of EFW Tech Spec capacity relative to accident analyses. Include consideration of recirculation flow.
12. Submit procedures to define operator actions for accidents, particularly with regard to HPI actuation, EFW actuation and natural circulation cooling.
13. Discuss backup alternative indication and existing redundancy in pressurizer level indication.
14. Submit the operating procedure which discusses all indications to the operator for determination of PORV status.
15. Submit test plans for design modifications.
16. Discuss alternate means provided to the operator to initiate switchover to other water sources. Discuss the time available. What is switch setpoint?

Discussion

A primary discussion concerned the possibility of providing an actual test of the manual switching involved in starting the electric motor driven EFW pump off of the vital bus. AP&L discussed a proposed test which would start the Diesel Generator, load it with a decay heat pump, a spray pump and two service water pumps (the SW pumps would substitute for the Make up pump). AP&L committed to provide the staff a copy of the test procedures for review before conducting the test.



Guy S. Vissing, Project Manager
Operating Reactors Branch #4
Division of Operating Reactors

Enclosure -
"List of Attendees"

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ENCLOSURE 1

Attendance List
for
Meeting With Arkansas Power and Light Co.
concerning
Arkansas Nuclear One - Unit 1
May 9, 1979

<u>NAME</u>	<u>ORGANIZATION</u>
Guy S. Vissing	ORB#4/DOR/NRC
Bruce Boger	NRC/DPM/OLB
Donald Fischer	NRR/DSS/ASB
Frank Ashe	NRC/DSS/PSB
David Mardis	Arkansas Power & Light
Rick Lane	Arkansas Power & Light
Larry D. Young	Arkansas Power & Light
Phillip L. Almond	Arkansas Power & Light
Don Rueter	Arkansas Power & Light
R. H. Wessman	NRCC-IE
Tom Novak	NRC
G. Mazetis	NRC

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