



ARKANSAS POWER & LIGHT COMPANY

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May 17, 1982

ØCANØ4822Ø

Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SUBJECT: Arkansas Nuclear One - Units 1 and 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6
Post-TMI NUREG 0737 Items - Response
to Generic Letter No. 82-05
(File: 1510.3, 2-1510.3)

Gentlemen:

Generic Letter No. 82-05 requested we provide you with information for certain items required by NUREG 0737. Following is a summary of the status of each of the applicable items listed in Enclosure 1 to Generic Letter No. 82-05.

Item I.A.3.1 - Simulator Exams

NUREG 0737 Item I.A.3.1 requires a simulator exam be included in licensing examinations given after October 1, 1981. This requirement was reiterated by Generic Letter No. 81-21 dated August 7, 1981. In addition, Generic Letter 81-21 requested AP&L to provide a schedule for proposed licensing and simulator examinations through the end of 1982. This information was provided by AP&L's letter dated September 30, 1981, (ØCANØ98112) from Mr. D. C. Trimble to Mr. P. F. Collins.

Item II.3.2 - Plant Shielding

Per the requirements of NUREG 0737, AP&L performed a shielding design review. The results of the review were provided by AP&L's letter dated March 31, 1980, (ØCANØ38Ø22) from Mr. D. C. Trimble to Mr. D. G. Eisenhut. This item was further discussed in AP&L's letters dated October 7, 1980, (ØCAN1Ø8ØØ2), December 31, 1980, (ØCAN128Ø17) and November 30, 1981, (ØCAN1181Ø8) from Mr. D. C. Trimble to Mr. D. G. Eisenhut. As stated in our November 30, 1981, letter, it is AP&L's position that no plant modifications are necessary as a result of our shielding review.

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MEMBER MIDDLE SOUTH UTILITIES SYSTEM

AP&L
S/P

Item II.B.3 - Post-Accident Sampling

NUREG 0737 Item II.B.3 imposed new requirements relative to post-accident sampling. In order to meet these requirements, AP&L undertook extensive plant modifications. Because of the large scope of work required, AP&L was unable to meet the NUREG 0737 scheduled completion date of January 1, 1982. The status of our efforts was described in AP&L's letters dated December 21, 1981, (ØCAN1281Ø9) from Mr. D. C. Trimble to Mr. D.G. Eisenhut, and March 9, 1982, (ØCANØ382Ø3) from Mr. J. R. Marshall to Mr. D. G. Eisenhut.

The outstanding items discussed in our December 21, 1981, letter were completed during a recent ANO-1 maintenance outage. ANO-1 is now on line and approaching full power following this recent outage. Following stabilization at full power an integrated system test will be performed to verify operability of the ANO-1 post accident sampling system (PASS). This test will be completed by July 15, 1982. An integrated system test has recently been completed on the ANO-2 PASS. As described in our previous letters, we are continuing to experience accuracy problems with the boron analyzers. We do not feel, however, that these problems are so significant as to prevent adequate performance in a post-accident situation.

Item II.B.4 - Training for Mitigating Core Damage

NUREG 0737 Item II.B.4 required licensees to develop and implement a training program on the use of installed equipment and systems to control or mitigate accidents in which the core is severely damaged. The scheduled completion date for this item was October 1, 1981.

This training program was developed and implemented as required. However, due to logistical problems, all personnel were not able to complete the required training by October 1, 1981. This resulted in a "Notice of Deviation" as detailed in NRC I&E Inspection Reports 50-313/81-29 and 50-368/81-28. AP&L's response to these inspection reports were forwarded via AP&L's letter dated December 17, 1981, (ØCAN1281Ø8) from Mr. D. A. Rueter to Mr. G. L. Madson. As committed in our December 17 letter, the training was completed by December 31, 1981.

Item II.E.1.2 - Auxiliary Feedwater Initiation and Flow Indication

This item required instrumentation and systems for automatic initiation and flow indication of the auxiliary feedwater systems be upgraded to safety grade by July 1, 1981.

On ANO-2 these systems were originally built as safety grade systems and no modifications were required. This was discussed in AP&L's letters dated November 30, 1981, (ØCAN1181Ø8) from Mr. D. C. Trimble to Mr. D. G. Eisenhut. Our correspondence dated March 16, 1981, (2CANØ38110) and July 1, 1981, (2CANØ781Ø1) addressed the staff's questions on this item.

For ANO-1, the required safety grade flow indication has been installed per the commitment in our letter dated December 19, 1980, from Mr. W. Cavanaugh, III to Mr. D. G. Eisenhower. This was completed during the 1981 ANO-1 refueling outage. Modifications associated with a safety grade emergency feedwater initiation are planned as part of the long term emergency feedwater system modifications required by item II.E.1.1. These modifications have been the subject of numerous pieces of correspondence and several meetings with the staff. Our most recent letter, dated November 30, 1981, from Mr. D. C. Trimble to Mr. D. G. Eisenhower, reconfirmed our commitment to complete these modifications during ANO-1's fifth refueling outage scheduled to begin in early 1983. Since November, however, we have discovered that several key items of equipment cannot be supplied by the vendors in time to allow installation on the planned schedule. We now expect these modifications to be completed during the sixth refueling outage. We are currently preparing a more detailed description of our problems and our revised schedule. This will be forwarded to you by May 28, 1982.

Item II.E.4.2 Containment Isolation Dependability

Enclosure 1 to Generic Letter 82-05 requested information on two of the requirements of item II.E.4.2. Part 5 of item II.E.4.2 required licensees to lower the containment pressure setpoint to the lowest level compatible with normal operation. AP&L responded to this item by letter dated March 16, 1981, from Mr. D. C. Trimble to Mr. D. G. Eisenhower. We were subsequently notified by letter dated July 15, 1981, from Messrs. J. F. Stolz and R. A. Clark to Mr. W. Cavanaugh, III, that this item was considered closed.

Part 7 of Item II.E.4.2 required that containment purge and vent valves be isolated on a high radiation signal. As discussed in our letter of September 18, 1980, to Mr. T. M. Novak from Mr. D. C. Trimble, and in our Technical Specification change request dated October 31, 1980, these valves are maintained closed except during cold shutdown and therefore no automatic isolation is required. This item was closed by NRC's letter dated April 14, 1982, (1CNA048209) from Mr. J. F. Stolz to Mr. W. Cavanaugh III, and December 14, 1981, (2CNA128102) from Mr. R. A. Clark to Mr. W. Cavanaugh III, for ANO-1 and ANO-2, respectively.

Item II.F.1 - Accident Monitoring

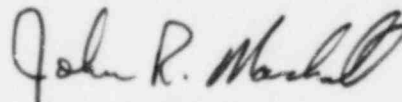
Item II.F.1 required the installation of various additional accident monitoring instruments. The status of the item was discussed in our letter of November 30, 1981, (0CAN118108) from Mr. D. C. Trimble to Mr. D. G. Eisenhower. As committed in that letter, all of the required modifications were completed by January 1, 1982 as required by NUREG 0737 with the exception of Item II.F.1.1 - Noble Gas Effluent Monitors. The remaining items described by our letter of December 21, 1981, (0CAN128109) from Mr. D. C. Trimble to Mr. D. G. Eisenhower, were completed prior to restart following the recent ANO-1 maintenance outage.

May 17, 1982

Item II.K.2.10 - Safety Grade Trip (ANO-1 Only)

This item required the installation of safety grade anticipatory reactor trips by July 1, 1981. Design information on this modification was provided by AP&L's letter dated August 8, 1980, (1CAN088003) from Mr. D. C. Trimble to Mr. R. W. Reid. These modifications were completed during the 1981 ANO-1 refueling outage.

Very truly yours,



John R. Marshall
Manager, Licensing

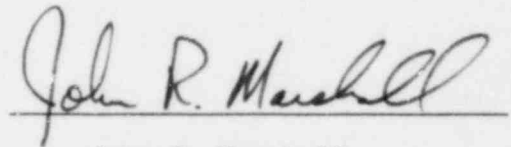
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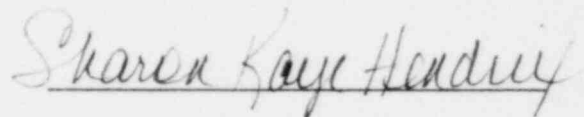
COUNTY OF PULASKI)

I, John R. Marshall, being duly sworn, subscribe to and say that I am Manager, Licensing for Arkansas Power & Light Company; that I have full authority to execute this oath; that I have read the document numbered ØCANØ4822Ø and know the contents thereof; and that to the best of my knowledge, information and belief the statements in it are true.



John R. Marshall

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for the County and State above named, this 17 day of May, 1982.



Notary Public

My Commission Expires:

9-19-89