



ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000
June 17, 1983

2CAN068309

Director of Nuclear Reactor Regulation
ATTN: Mr. Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Bypass of Steam Generator
RPS Inputs

Gentlemen:

In response to your letter dated April 11, 1983, (2CAN048301) the following is provided.

In response to Item 2 of our letter dated February 3, 1983, (2CAN028307) we indicated that the Steam Generator (SG) high and low level Reactor Protection System (RPS) inputs are bypassed in Mode 5 to main "cocked rod" protection. If a low or high SG level signal is input to the RPS, a reactor trip signal is generated which precludes maintaining "cocked rod" protection.

Cocked rod protection has been provided (consistent with our commitment in our letter dated October 26, 1981, 2CAN108112) as an interim measure to provide the operators a positive indication of an inadvertent boron dilution event. That same letter also committed to provide an audible alarm in the Control Room (based on startup range neutron detectors) to provide an indication of an inadvertent boron dilution event. This audible alarm was to be the long term final fix.

The boron dilution alarm has now been installed and is functional. It will be declared operable within the next three weeks pending some final procedural changes and operator training. Concurrent with the operability of the boron dilution alarm, the commitment for "cocked rod" protection (as

8306210229 830617
PDR ADOCK 05000368
P PDR

MEMBER MIDDLE SOUTH UTILITIES SYSTEM

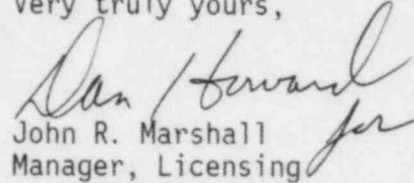
A001
1/0

June 17, 1983

an interim commitment) is negated. Thus, at that time, the need to bypass the SG low and high level inputs in Mode 5 to maintain "cocked rod" protection will also be negated.

Therefore, we do not intend to continue our current practice of bypassing the SG low and high level RPS inputs, in Mode 5, to maintain "cocked rod" protection. With this change, we believe our current system complies with the applicable areas of Section 4.13 of IEEE 279-1971, Criterion XIV of 10CFR50 Appendix B and the guidance provided in Regulatory Guide 1.47, and that it resolves the staff's concerns.

Very truly yours,


John R. Marshall
Manager, Licensing

JRM:JTE:s1