



ARKANSAS POWER & LIGHT COMPANY

POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

July 26, 1983

ØCANØ78315

Director of Nuclear Reactor Regulation  
ATTN: Mr. J. F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

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

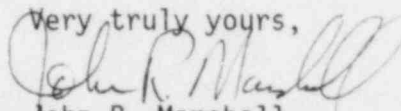
SUBJECT: Arkansas Nuclear One - Units 1 & 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6  
Source Range Monitoring Capability  
for Alternate Shutdown System

Gentlemen:

Please refer to our letter (ØCANØ683Ø1) to you dated June 3, 1983, which stated we were committing to install Source Range Monitoring (SRM) capability on our alternate shutdown system in accordance with 10CFR50 Appendix R. In that letter, we provided SRM design information pertaining to both ANO-1 and 2. However, we stated the ANO-1 design was being evaluated per various hardware constraints, and final design information would be provided by August 1, 1983.

We have decided that alternative (2), outlined in the above mentioned letter, is the best choice for the ANO-1 SRM design. This alternative involves the installation of a completely new SRM channel, with all signal processing electronics being located independent of the control room. An isolated output will be provided to the control room and to the Safety Parameter Display System (SPDS). Continuous SRM capability will be available on the alternative shutdown system. The new SRM channel and associated hardware will be installed during the sixth refueling outage (1R6) which is scheduled for late 1984.

Very truly yours,

  
John R. Marshall  
Manager, Licensing

JRM:DLL:s1

8308030093 830726  
PDR ADOCK 05000313  
F PDR

MEMBER MIDDLE SOUTH UTILITIES SYSTEM

Acc  
1/0