



ARKANSAS POWER & LIGHT COMPANY

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June 29, 1984

1CAN068403

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

SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
NUREG 0737 Supplement 1 -
ANO-1 SPDS Safety Analysis

Gentlemen:

We are pleased to submit the attached ANO-1 Safety Parameter Display System (SPDS) Safety Analysis Report in response to Section 4.2 of NUREG 0737 Supplement 1. Supplement 1 was transmitted to AP&L as an attachment to Generic Letter 82-33 (0CNA128226).

Details pertaining to the ANO-1 SPDS design and its implementation schedule were provided in our initial response to Supplement 1 dated April 15, 1983 (0CAN048312). The ANO-1 SPDS was declared operational with its existing parameters on January 9, 1984, as documented in our Supplement I Update of April 30, 1984 (0CAN048406). Discussions in the Safety Analysis are of the existing capabilities as well as currently proposed modifications. The basis for the parameters selected and for the display techniques is the same as those used for the development of the ANO-1 Emergency Operating Procedure (EOP). The SPDS displays described herein fully address the five critical safety functions identified in NUREG 0737 Supplement 1.

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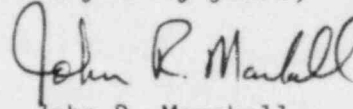
Mr. Darrell G. Eisenhut

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The safety analysis contains photographic reproductions of SPDS displays. Due to the cost associated with photographic reproduction, only three originals are attached. Should you require additional copies please contact me.

Very truly yours,

A handwritten signature in dark ink, appearing to read "John R. Marshall". The signature is fluid and cursive, with the first name "John" being the most prominent.

John R. Marshall
Manager, Licensing

JRM:DEJ:ac

Attachment