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April 30, 1984

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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 2
Docket No. 50-368
License No. NPF-6
NUREG 0737 Supplement 1 -
ANO-2 SPDS Safety Analysis

Gentlemen:

We are pleased to submit the attached ANO-2 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-2 SPDS design and its implementation schedule were provided in our initial response to Supplement 1 dated April 15, 1983 (0CAN048312). The ANO-2 SPDS has not yet been declared operational with its existing parameters; however, certain capabilities currently exist on the system. Discussion in the Safety Analysis are of these existing capabilities as well as currently proposed modifications. The basis for the parameters selected and the display techniques are the same as those used for the development of the ANO-2 Emergency Operating Procedure (EOP). Although the SPDS may be modified in the future, as the result of further EOP development as well as other analysis, we believe that the SPDS displays described herein fully address the five critical safety functions identified in NUREG 0737 Supplement 1.

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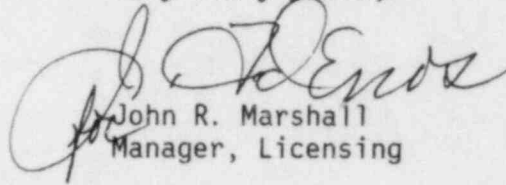
Mr. Darrell G. Eisenhut

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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,



John R. Marshall
Manager, Licensing

JRM:DEJ:ac

Attachment