



HELPING BUILD ARKANSAS

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ARKANSAS POWER & LIGHT COMPANY

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December 8, 1977

1-127-7

Director of Nuclear Reactor Regulation
ATTN: Mr. D. K. Davis, Acting Chief
Operating Reactor Branch #2
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Subject: Arkansas Nuclear One-Unit 1
Docket No. 50-313
License No. DPR-51
HVAC Isolation System
(File: 1510)

Gentlemen:

In our Reportable Occurrence Report 50-313/76-7 of May 19, 1976 we reported the failure of our Unit 1 as built control system for the Control Room Ventilation System to isolate the control room in 3 seconds as specified in the FSAR, Volume IV, page 9.4.9.

As committed in the subject ROR, we have developed a modification to improve the HVAC isolation system. However, during design development we found the FSAR commitment time of 3 seconds to be unachievable.

The design criteria for our Unit 2 control room HVAC isolation system of 10 seconds from a step input of 0-15 ppm chlorine (Unit 2 FSAR, Volume VI, page 9.4-2) has been reviewed and approved by the Staff (ANO-2 Safety Evaluation Report, Section 9.5.1, page 9-7). Based upon this approval, we propose to change the Unit 1 criteria to be consistent with that of Unit 2.

By 10CFR50.59 a(2)i, "the consequences of an accident may be increased" by this new criteria therefore we feel this change may be an unreviewed safety question and should be approved by you prior to implementation.

Upon your approval, we wish to implement this design change during our upcoming refueling outage. Since this outage is scheduled for late January, 1978, your most expeditious reply will be appreciated.

Very truly yours,

8004110 749

Daniel H. Williams

Daniel H. Williams
Manager, Licensing

DFW:JTE:dr

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