



ARKANSAS POWER & LIGHT COMPANY

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May 14, 1984

1CAN058405

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

SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Reactor Trip Breaker
Shunt Trip Installation

Gentlemen:

In response to your letters dated January 24, 1984, (1CNA018402) and January 27, 1984, (1CNA018403), the following is provided.

During the ANO-1 mid-cycle outage in March 1984, automatic shunt trip capability was added to the 6 Reactor Trip Breakers (RTBs). The shunt trip is now operable from an automatic Reactor Protection Signal (RPS) and tested on a monthly basis using safety related procedures.

AP&L's letter dated November 5, 1983, (0CAN118302), in response to Generic Letter 83-28 indicated, (see Item 4.5), that procedures required independent testing of both the shunt and undervoltage (UV) trips of the RTBs (shunt trips were originally installed on the AC breakers but not connected to the RPS).

ANO-1 Technical Specification 1.4.2 defines the Reactor Protection System in part as: "It (RPS) includes the four protection channels, their associated instrument channel inputs, manual trip switch, all rod drive control protective breakers and activating relays or coils." Specification 4.1 requires that: "the protective channels (RPS) coincidence logic and control rod drive trip breakers are trip tested every four weeks. The trip test checks all logic combinations..."

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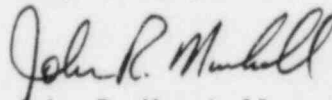
With both the shunt and UV trips connected to the automatic system, a signal to trip the RTB will result in both devices tripping the RTB. In this case, it is not possible to determine which device (shunt or UV) actually tripped the RTB. Thus, to meet the existing Technical Specification, independent testing of the shunt and UV devices is required to verify proper action of all logic combinations.

As such, we believe that independent monthly testing of the shunt and UV device is necessary and required to meet the existing Technical Specification.

The B&W Owners Group (BWOG) letter dated April 27, 1984 (1CAN048401, J. T. Enos to P. Kadambi), addressed the current activities of the Owners Group with regard to long term solutions to RTB problems. AP&L supports the BWOG activities and endorses the above letter.

With the final decision for long term solution pending, and the technical adequacy of the existing Technical Specifications, a change to the Specification for clarity seems inappropriate at this time.

Very truly yours,



John R. Marshall
Manager, Licensing

JRM:JTE:ac