



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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October 17, 1978

Docket No.: 50-313

Mr. William Cavanaugh, III
Executive Director, Generation
and Construction Department
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Dear Mr. Cavanaugh:

By letters dated June 17, July 5 and December 6, 1977, Arkansas Power and Light Company proposed changes to Section 3.3 and Table 4.1 of the Technical Specifications, and to the Reactor Building Spray System (RBSS), for Arkansas Nuclear One, Unit No. 1 (ANO-1). These letters were in response to our requests dated October 18 and November 19, 1976 for additional information to complete our review and evaluation of the ANO-1 RBSS.

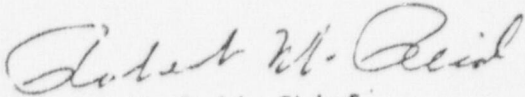
We have completed our review and evaluation of the proposed changes to the ANO-1 Technical Specifications and to the ANO-1 RBSS. We conclude that the changes are acceptable if the maximum allowable sodium hydroxide concentration in the Sodium Hydroxide Tank in the RBSS is 18 weight % and if the computer simulation data, which you submitted for the gravity feed from the Sodium Hydroxide Tank (SHT) and the Borated Water Storage Tank (BWST), can be verified. Verification could be by (1) actual test data from ANO-1, (2) test data from other comparable systems, or (3) complete documentation of the computer programs including program verification. However, if you cannot provide verification of the proper flow from these two tanks with any of the above methods, you should propose modifications, such as a positive injection system, which would assure the proper flow.

It would expedite the completion of our review if you would commit to verification of the computer simulated data and commit to propose modifications to assure the proper flow if the computer simulated data cannot be verified. We note that you have already agreed to the 18 weight % NaOH maximum concentration.

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Please let us know within 20 days from receipt of this letter whether you will make such commitments or your objections, reasons for the objections and reasons for justifying the continued operation of ANO-1.

Sincerely,


Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors

cc: See next page

Arkansas Power & Light Company

cc:

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