



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

October 29, 1974

Docket No. 50-313

Arkansas Power & Light Company
ATTN: Mr. D. Phillips
Senior Vice President
Production, Transmission, and Engineering
Sixth and Pine Streets
Pine Bluff, Arkansas 71601

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Gentlemen:

The purpose of this letter is to inform you of a defect in the Reactor Building Spray System at Three Mile Island Unit 1 which resulted in a violation of their Technical Specifications. During recirculation of fluid in the sodium hydroxide storage tank, sodium hydroxide solution entered the sodium thiosulfate storage tank reducing the sodium thiosulfate concentration to a value below the Technical Specification limit. The dilution occurred as a result of leakage thru a normally closed valve in the inlet line to the sodium thiosulfate tank.

Please review your design and operating procedures to determine whether any changes are necessary at Arkansas Nuclear One - Unit 1 to reduce the probability of such an occurrence, and inform us within 30 days of the date of this letter of your conclusions and any proposed changes to your Technical Specifications. To assure that such a condition does not go undetected at Arkansas Nuclear One - Unit 1 we request that in addition to the current Technical Specification surveillance requirements both the sodium hydroxide and sodium thiosulfate storage tanks be sampled after makeup or recirculation of either tank until this possible problem has been investigated and resolved.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dennis L. Ziemann", is written over the typed name.

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Directorate of Licensing

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October 29, 1974

cc:

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