March 1, 1978

Docket No.: 50-313

Arkansas Power & Light Company
ATTN: Mr. William Cavanaugh, III
Executive Director
P. O. Box 551
Little Rock, Arkansas 72203

Gentlemen:

We have determined that we need additional information concerning your reload report. The enclosed information is required before a Safety Evaluation on the reload report can be prepared. Please provide the requested information by March 7, 1978.

Sincerely,

Original Signed By

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

Enclosure:
Request for Additional Information

cc w/enclosure: See next page

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SURNAME	GVissing:rm	RSnaider	RReid			
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Arkansas Power & Light Company

cc
Phillip K. Lyon, Esquire
House, Holms & Jewell
1550 Tower Building
Little Rock, Arkansas 72201

Mr. Daniel H. Williams
Manager, Licensing
Arkansas Power & Light Company
Post Office Box 551
Little Rock, Arkansas 72203

Mr. John W. Anderson, Jr.
Plant Superintendent
Arkansas Nuclear One
Post Office Box 608
Russellville, Arkansas 72801

Arkansas Polytechnic College
Russellville, Arkansas 72801

REQUEST FOR ADDITIONAL INFORMATION

ARKANSAS NUCLEAR ONE-UNIT NO. 1
DOCKET NO. 50-313

CYCLE 3 RELOAD

1. Please provide information on the status of the B&W Setpoint Methodology topical report. It is important that this report be su to provide the data and information necessary to interpret the Technical Specification changes of plant setpoints.

2. Please explain the increase in quadrant tilt allowed in the proposed Te Specifications (from 3.4% to 4.92%). You state that the increase in allowable tilt is a result of an increase in calculated margin. Please explain how the allowable tilt is calculated from the margin available and identify how tradeoffs in other core parameters are made to arrive at the allowable tilt.

3. Please justify allowing your plant to operate with up to a 25% tilt before the plant must be placed in hot shutdown (3.5.2.4.3 on pg. 47 of proposed Technical Specifications). This appears to be an excessively large tilt and it seems that shutdown should occur well before the tilt reaches this magnitude.

4. The proposed Technical Specifications state that above 15% power, the quadrant tilt will be monitored at a minimum frequency of once every two hours. Justify not making the rate of tilt surveillance a function of the magnitude of the tilt. It seems prudent that once the tilt exceeds the allowable tilt prior to power reductions, more frequent monitoring of the quadrant tilt should take place. In the case at hand, Arkansas 1 is allowed a tilt of 4.92% prior to any power reductions and must shutdown only when the tilt reaches 25%. Between these two tilts it appears that the tilt surveillance should increase. If you disagree please justify your selection of monitoring frequency.

5. Paragraph 4.1 of your reload submittal stated that"...improved test methods (dynamic impact testing) show that the spacer grids have a higher seismic capability..." What are these improved test methods and where are they documented?