August 31, 1982

DMB 016

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Docket No. 50-313

Mr. William Cavanaugh, III
Senior Vice President,
Energy Supply
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Dear Mr. Cavanaugh:

We have reviewed your letters of December 28, 1976 and October 20, 1979, regarding secondary water chemistry monitoring for Arkansas Nuclear One, Unit No. 1. As you know our request of August 20, 1976, for Technical Specifications on this subject, was modified by our request of July 23, 1979, for a suitable license condition. In both cases we requested details of your secondary monitoring program which you have not provided. Also you have not submitted a suitable proposed license condition.

You are requested to submit the information identified in the enclosure and a suitable proposed license condition within 60 days of receipt of this letter.

The information requested in this letter affects fewer than ten respondents; therefore OMB clearance is not required under P. L. 96-511.

Sincerely,

"ORIGINAL SIGNED BY
JOHN F. STOLZ"

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

OFFICE	ORB #4	ORB #4					
SURNAME	Vissing/tcm	Stolz					
DATE	8/27/82	8/31/82					

Arkansas Power & Light Company

cc w/enclosure(s):

Mr. John R. Marshall
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Honorable Ermil Grant
Acting County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

Director, Bureau of Environmental
Health Services
4815 West Markham Street
Little Rock, Arkansas 72201

Regional Radiation Representative
EPA Region VI
1201 Elm Street
Dallas, Texas 75270

Mr. John T. Collins, Regional Administrator
U. S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Enclosure

REQUEST FOR ADDITIONAL INFORMATION

CONCERNING

SECONDARY WATER CHEMISTRY MONITORING

FOR

ARKANSAS NUCLEAR ONE, UNIT NO. 1

DOCKET NO. 50-313

I. The information you have provided is insufficient for us to evaluate the secondary water chemistry control program. Provide a summary of operative procedures to be used for the steam generator secondary water chemistry control and monitoring program, addressing the following:

1. Sampling frequency for the critical chemical and other parameters and of control points or limits for these parameters for each mode of operation: normal operation, hot startup, cold startup, hot shutdown, cold wet layup;

2. Procedures used to measure the values of the critical parameters;

3. Location of process sampling points;

4. Procedure for the recording and management of data;

5. Procedures defining corrective actions* for off-control point chemistry conditions detailing time allowed at off-chemistry conditions; and

6. The procedures identifying (a) the authority responsible for the interpretation of the data and (b) the sequence and timing of administrative events required to initiate corrective action.

II. Verify that the steam generator secondary water chemistry control program incorporates technical recommendations of the NSSS. Any significant deviations from NSSS recommendations should be noted and justified technically.

III. In addition to the secondary water chemistry monitoring and control program, we require monitoring of the steam condensate at the effluent of the condensate pump. The monitoring of the condensate is for the purpose of detecting condenser leakage. Verify that the steam condensate at the effluent of the condensate pump is monitored.

IV. If demineralizers are used, explain how you prevent resin breakthrough into the steam generator.

*Branch Technical Position MTEB 5-3 describes the acceptable means for monitoring secondary side water chemistry in PWR steam generators, including corrective actions for off-control point chemistry conditions. However, the staff is amenable to alternatives, particularly to Branch Technical Position B.3.b(9) of MTEB 5-3 (96-hour time limit to repair or plug confirmed condenser tube leaks).