DMB-016 6/20

July 3, 1986

Docket No. 50-313

Mr. Gene Campbell
Vice President, Nuclear
Operation
Arkansas Power and Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Dear Mr. Campbell:

We have recently been discussing with your people our concerns about the fact that Arkansas Nuclear One, Unit 1, does not currently have the PORV and block valve in the ANO-1 Inservice Test Plan or included in the Technical Specification surveillance requirements. However, we understand that now you have decided to include the PORV and the block valve in the IST plan. Enclosed is our position on the surveillance requirements of the PORV and block valve. We request that you implement this position into your current IST program and provide us with the addition to the IST program for our review. We request your schedule for doing this within 30 days on receipt of this letter.

The reporting and/or recordkeeping requirements of this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by

John F. Stolz, Director
PWR Project Directorate #6
Division of PWR Licensing-B

Enclosure:
As stated

cc w/enclosure:
See next page

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cc:
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Mr. Frank Wilson, Director
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Arkansas Department of Health
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Honorable William Abernathy
County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

NRR POSITION ON IST OF PORV AND BLOCK VALVE
MAY 28, 1986

On the basis of its functions, PORVs should be tested in accordance with Section XI requirements for Category B/C valves. As such, the Code requires setpoint, stroke and stroke time testing (paragraphs IWV-3410 and 3510 of Section XI). The PORV block valves should be designated as Category A type valves which require leak rate, stroke and stroke time testing in accordance with paragraphs IWV-3410 and 3420 of Section XI. Listed below are the testing schedules for PORVs and PORV block valves consistent with the ASME Code requirements.

PORVS:

1. As permitted in ASME Section XI, paragraph IWV-3412(a) for valves for which it is not practical to exercise during plant operation full stroke exercising should be performed at each cold shutdown, or, as a minimum, once each refueling cycle.

2. Stroke timing should also be performed at each cold shutdown, or, as a minimum, once each refueling cycle.

3. Fail safe actuator testing should also be performed at each cold shutdown, or, as a minimum, once each refueling cycle.

4. Set point testing should be performed every refueling outage.

PORV Block Valves:

1. Full stroke exercising and stroke timing should be performed at the normal Code specified 3 month interval.

2. Leak testing should be performed every 2 years.

In addition, the preparation of a specific industry standard for inservice testing of PORVs is nearing completion. The standard is OM-13, "Requirements for Periodic Performance Testing and Monitoring of Power Operated Relief Valves." The standard will contain testing requirements similar to those listed above. In addition, as an alternate to stroke testing of the PORV on the pressurizer, it would permit testing, once each fuel cycle, at fluid flow conditions the same as those in the reactor coolant system, at a steam test facility. It is expected that OM-13, after final publication will ultimately be referenced in ASME Section XI.