

SEP 03 1982

DCD-016

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 Dockets Nos. 50-313 & 368 EBlackwood
 CTrammell
 TWambach
 VPanciera

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 submittal dated July 1, 1982 with regard to your review of the alternate shutdown capability for Arkansas Nuclear One, Units Nos. 1 and 2 and we discussed our review with you at the meeting of August 31, 1982. As a result of that review and the meeting of August 31, 1982, we have identified the additional information (Enclosure 1) which we need to complete our review. You were provided the list of needed information at the meeting of August 31, 1982. We request you provide the information by September 15, 1982.

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, Chief
 Operating Reactors Branch #4
 Division of Licensing

Original signed by

Robert A. Clark, Chief
 Operating Reactors Branch #3
 Division of Licensing

Enclosure:
 Request for Additional
 Information

cc w/enclosure: See next page

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9/3/82

OFFICE	ORB#4:DL	ORB#3:DL	ORB#3:DL	ORB#3:DL	ORB#5:DL	C-ORB#3:DL	C-ORB#4:DL
SURNAME	GVissing/cb	JStevens	PKreutzer	CTrammell	TWambach	RA Clark	JFStolz
DATE	9/2/82	9/3/82	9/3/82	9/1/82	9/3/82	9/3/82	9/3/82

Arkansas Power & Light Company

cc w/enclosure(s):

Mr. John R. Marshall
Manager, Licensing
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

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

Mr. James P. O'Hanlon
General Manager
Arkansas Nuclear One
P. O. Box 608
Russellville, Arkansas 72801

Mr. William Johnson
U.S. Nuclear Regulatory Commission
P. O. Box 2090
Russellville, Arkansas 72801

Mr. Robert B. Borsum
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Nuclear Power Generation Division
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Mr. Nicholas S. Reynolds
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Arkansas Tech University
Russellville, Arkansas 72801

Honorable Ermil Grant
Acting County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

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

REQUEST FOR ADDITIONAL INFORMATION CONCERNING SAFE SHUTDOWN CAPABILITY
FOR
FIRE PROTECTION
FOR
ARKANSAS NUCLEAR ONE, UNITS NOS. 1 & 2
DOCKETS NOS. 50-313 & 50-368

1. Provide a summary of the methodology used in reviewing ANO-1 & 2 capabilities for hot shutdown and cold shutdown in the event of a fire; and provide some typical examples of the application of your methodology.
2. For the 14 fire zones that you indicate are in full compliance with Appendix R, but require some sort of manual or non-routine operation, describe the safe shutdown equipment and cables that would be affected by a fire and the specific operator actions that would be required to obviate these effects. In your discussion of this issue discuss the times for required action that the operator has before the plant would get into an unrecoverable situation.
3. List all the actions required of the operator including the times in which the operator has to bring the plant to hot and cold shutdown by means of the alternate shutdown capability independent of the control room and cable spreading room. List manpower requirements for various tasks. Provide a commitment and schedule for implementing procedures for bringing the plants to hot and cold shutdown.
4. With respect to your Section III.L discuss the following:
 - a. What is the source of borated and makeup water?
 - b. Will the pressurizer heaters, or some means of pressure control, be used for shutdown? If so, please describe.
 - c. We understand that you do not currently have and you do not propose to have indication available for source range monitoring and necessary tank levels. It is the staff's position that source range monitoring indication should be available at the remote shutdown panel and the capability be provided to determine the necessary tank levels. We request you to commit to satisfying the staff position.
 - d. What are the ventilation and electrical distribution systems required for alternate shutdown.
5. Your submittal did not specifically respond to our May 10, 1982 letter with regard to your method of review for associated circuits. Please expand your discussion and address the specific issues of our May 10, 1982 letter. In addition address the following:
 - a. Discuss your methodology of associated circuit review. Was it for all areas containing safe shutdown cables, or for only process monitoring cables for alternate shutdown?
 - b. For the common power source situation, have you addressed the 4kV systems? Is the circuit protection coordinated, and is this an ongoing program?
 - c. For the spurious signal and common enclosure concerns, demonstrate compliance in these areas by providing a detailed zone by zone analysis, or by providing a description of design philosophy that obviates these concerns.
6. Have you identified all cables or equipment whose failure due to the effects of a fire may cause spurious operation and violate a high/low pressure interface, thereby creating a LOCA? If so, please list and identify the resolution of any violations.
7. Can the units be brought to cold shutdown within 72 hours?