

Docket No.: 50-382

DEC 26 1984

Mr. R. S. Leddick  
Senior Vice President - Nuclear Operations  
Louisiana Power and Light Company  
142 Delaronde Street  
Post Office Box 6008  
New Orleans, Louisiana 70174

Dear Mr. Leddick:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - SPURIOUS SIGNALS ANALYSIS

The staff has reviewed the "Associated Circuits Analysis" dated November 30, 1984, and finds that additional information must be provided in order for the staff to complete its review.

You are requested to provide the information requested in the enclosure by COB on January 11, 1985.

If you have any questions about this request, contact the project manager, J. Wilson, at (301) 492-7702.

Sincerely,

Original signed by  
George W. Knighton

George W. Knighton, Chief  
Licensing Branch No. 3  
Division of Licensing

Enclosure:  
Request for Additional  
Information

cc: See next page

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

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Louisiana Power and Light Company  
142 Delaronde Street  
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Dear Mr. Leddick:

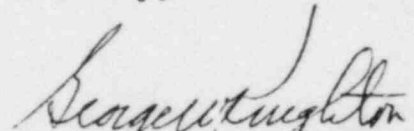
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Waterford 3

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New Orleans, Louisiana 70111

WATERFORD STEAM ELECTRIC STATION, UNIT 3  
REQUEST FOR ADDITIONAL INFORMATION  
CONCERNING POST-FIRE SAFE SHUTDOWN (SPURIOUS SIGNALS)  
AUXILIARY SYSTEMS BRANCH

1. A recent plant inspection at another facility revealed that for a fire in the control room, isolation transfer switches for certain hot shutdown systems/components had to be switched to the alternate or isolated position prior to damage occurring to these circuits. If this were not accomplished in time, fuses would have to be replaced in order to make safe shutdown system/component operable. This situation existed because the transfer switches did not place new/redundant fuses into the control power circuit, but left the existing (assumed blown) set of fuses in the circuit. For most of the transfer switches, the situation did not cause a problem since the desired effect after isolation was the deenergization of power. In other instances where the system/component had to be operable or where operation might be required to override a spurious actuation (such as a motor operated valve) replacement of fuses would be required if blown.

Although the present isolation switches at Waterford 3 do isolate the required equipment or component from the control room, it has not been demonstrated that it is unnecessary to replace fuses in order to place the equipment/component in the desired mode of operation or position. In order for us to conduct a review to determine if fuse replacement is necessary for the operation of a safety system after a control room fire, please provide the following:

- a. The results of your review of electrical design drawings for the existing isolation transfer switches to determine where and if this situation exists.

- b. If the Waterford design necessitates the changing of fuses to achieve and maintain hot shutdown after a control room fire, provide modifications to existing switches and/or install new isolation switches where necessary to provide redundant fusing such that a blown fuse will not require replacement to achieve and maintain hot shutdown.