

**LOUISIANA**  
POWER & LIGHT

142 DELARONDE STREET • P.O. BOX 8008  
NEW ORLEANS, LOUISIANA 70174-8008 • (504) 386-2345

February 22, 1985

W3P85-0445  
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Director of Nuclear Reactor Regulation  
Attention: Mr. G. W. Knighton, Chief  
Licensing Branch No. 3  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Knighton:

Subject: Waterford 3 SES  
Docket No. 50-382  
Associated Circuits Analysis  
Isolation Panel Modifications

References: 1. W3P84-1412 dated May 17, 1984  
2. W3P84-3325 dated November 30, 1984

The purpose of this letter is to address the Waterford 3 Operating License Condition 9.g and to followup previous commitments made regarding the Relay Isolation Panel located in the Relay Room on the +35.00ft. level of the Reactor Auxiliary Building. In Reference 1, Louisiana Power and Light Company (LP&L) committed to provide a continuous fire watch in the Relay Room after initial criticality until completion of a spurious signal analysis on the panel and resolution of any resulting concerns with assigned NRC staff reviewers. A spurious signal analysis was completed on the Isolation Panel as part of the Associated Circuits Analysis submitted in Reference 2. Preliminary design and approval of modifications to address potential Isolation Panel concerns of Reference 2 are complete.

LP&L commits to protect hot standby equipment from potential malfunction due to a fire in the Isolation Panel with the modifications described briefly below:

1. Charging Pump B - Install isolation switch to disable automatic function of pump and maintain control from the Control Room.
2. CCW Pump B - Install isolation switch to bypass Isolation Panel to prevent spurious trip if pump is selected to automatic mode.

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3. CCW Header Isolation Valves - Install isolation switch to bypass Isolation Panel to prevent spurious opening of these valves.  
3CC-F110AB, 3CC-F114AB,  
3CC-F111AB & 3CC-F115AB
4. Chiller Compressor B - Install isolation switch to disable automatic function to allow restart in the event of spurious trip.
5. Control Room Air Handling Unit AH-12 (3B-SB) - Install isolation switch to allow operation in the recirculate mode in the event of spurious trip.
6. Station Service Transformer 3B32 - Install isolation switch to bypass Isolation Panel and retain control of transformer feeder breaker providing power for preferred method of RCS pressure control (Pzr. Press. Proportional Bank No. 2)

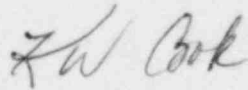
The above switches will be located in a panel outside the fire area of concern. All other spurious maloperations identified in Reference 2 for the Isolation Panel require only manual operator action and in the case of cold shutdown equipment, some minor wiring repairs, to maintain safe shutdown capability. Actuation of isolation switches and operator corrective actions will be governed by approved procedure based on damage incurred by circuits in the Isolation Panel.

Our intentions are to complete these modifications and procedural changes by June 30, 1985 plant conditions permitting, but in no case later than startup following first refuel outage as required by license condition for spurious signal modifications. By this letter, LP&L reconfirms its commitment to provide a continuous fire watch in the Relay Room until such modifications and procedural changes are complete.

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We trust that you will find the information provided in this letter sufficient to complete your review of the Isolation Panel, delete License Condition 9.g. from the Waterford 3 Operating License and concur in removal of the fire watch requirement upon completion of the previously stated commitments. Should you have any further questions regarding this letter please contact our Safety and Environmental Licensing Coordinator, R.J. Murillo, at (504) 595-2838.

Very truly yours,



K.W. Cook  
Nuclear Support & Licensing Manager

KWC:KNC:sms

cc: E.L. Blake, W.M. Stevenson, D.M. Crutchfield, J. Wilson, J. Weirmiel,  
R.D. Martin, G.L. Constable