



**LOUISIANA**  
POWER & LIGHT

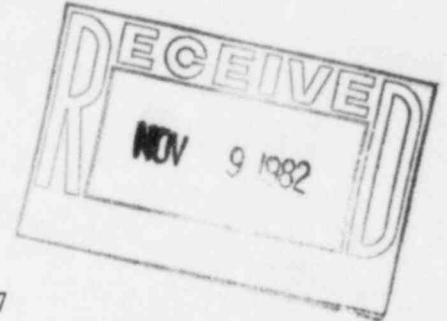
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L. V. MAURIN  
Vice President  
Nuclear Operations

November 5, 1982

W3I82-0094  
Q-3-A35.07.37

Mr. John T. Collins, Regional Administrator, Region IV  
U. S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76012



SUBJECT: Waterford SES Unit No. 3  
Docket No. 50-382  
Significant Construction Deficiency Report No. 37  
"Temperature Detectors (RTD's) Failure"  
Fifth Interim Report

REFERENCES: 1) LP&L letter W3K82-0193 dated April 1, 1982  
2) LP&L letter W3K82-0282 dated August 5, 1982

Dear Mr. Collins:

The original SCD #37 involved a corrosion-generated error in the RCS T-cold signal. The C-E recommended corrective action involved silver-soldering the RTD leads at the terminal strip. Ebasco Design Engineers studied the problem along with the engineers preparing responses to NUREG 0660 "NRC Action Plan Developed As A Result of the TMI-2 Accident" and USNRC Regulatory Guide 1.97 "Instrumentation for Light Water Cooled Nuclear Power Plants to Assess Plant and Environ-Conditions During and Following An Accident." The latter document (1) required a restudy of the original design as to require dual RTD sensors to fit the original C-E built signal RTD sensor thermowelds, (2) required an industry review to find and QA-qualify a vendor of dual RTD sensors, (3) required purchasing of dual RTD sensors. At the present time, there is a promised delivery date in April, 1983 on the dual RTD sensors.

As a result of the impact of NUREG-0660 and Regulatory Guide 1.97 on the corrective action, submittal of a final report will be delayed until May 27, 1983.

Very truly yours,

L. V. Maurin

LVM/MAL:keh

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Mr. John T. Collins  
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