



**LOUISIANA  
POWER & LIGHT**

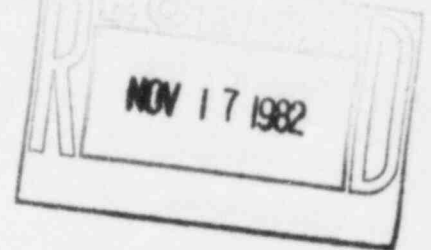
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November 15, 1982

L. V. MAURIN  
Vice President Nuclear Operations

W3I82-0099  
Q-3-A35.07.35

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. 35  
"Material Properties of Tube Track and Welded Fittings"  
Fifth Interim Report

REFERENCE: LP&L Letter W3K-82-0368 Dated June 24, 1982

Dear Mr. Collins:

Originally, SCD-35 involved an audit of Q. A. Program implementation and Quality Assurance documentation of James C. White Co. This company produces tubing support components for the instrumentation industry.

During the Engineering evaluation and following resolution of the original problem, it was established that an additional concern existed, which was the seismic qualification of tube track fittings and their utilization in a seismically qualified installation. Each instrument line may fit one of the following cases:

- 1) If the cantilevered length from a support in a single direction is less than 6'6" total linear length without credit for fittings' length, it is a qualified installation per New York analysis and DCN 833, R2 and IC-155.
- 2) If the cantilevered length is over 6'6" and one or more fittings exist in that length, then the unqualified J. C. White fittings must be replaced with qualified fittings. No such fittings exist on the market. Ebasco has designed and qualified, and is building the same on site.

Presently, I&C Construction Engineering has identified approximately 1100 instrument lines to be evaluated against corresponding Mercury drawings and applicable field work. They have assigned two senior engineers full time to complete the engineering and it is estimated that it will take a month's time to do so.

At the present time, none of the J. C. White tube track fittings can be qualified because of lack of traceability. Also, it is not known at this time how many lines must be second-supported or how many fittings must be changed out per corrective action program. This program has been established

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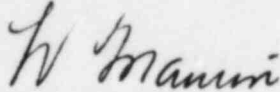
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to complete field review and subsequent acceptance/replacement prior to fuel load. Corrective action has been assigned to both Ebasco Force Account and the I&C contractor, Mercury. Corrective action is to be completed April 1, 1983.

In view of the above, a final report will be transmitted by May 8, 1983.

Very truly yours,



L. V. Maurin

LVM/MAL:keh

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