



January 26, 1983
L-83-37

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Mr. James P. O' Reilly
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

Re: St. Lucie Unit 2
Docket 50-389, 10 CFR 50.55(e) (82-20)
Lack of Documentation on Class 1 and 2
Bolts and Nuts

On October 13, 1982, Florida Power and Light Company notified NRC Region II of a potential 10 CFR 50.55(e) condition existing at the site involving lack of documentation on Class 1 and 2 bolts and nuts.

Persuant to the requirements of 10 CFR 50.55(e), a final report is attached.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert E. Uhrig".

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/RJS/cab

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I. Summary

A Non-Conformance Report (NCR) 4514M was issued due to a random sampling of Class 1 and 2 bolted flange connections, revealing that some of the bolts lacked material identification, material traceability and several nuts were inverted. All of the bolts and nuts on Class 1, 2, and 3 flanges will be changed.

II. Description

During a random sampling it was discovered that a majority of the bolts were installed correctly but some of the bolted flanges in Class 1 and 2 piping contained nuts and bolts that had no material identification. Also some of the nuts and bolts (1-1/8") which required heat codes were not fully traceable. It was also noted that on 1 inch and under bolts several nuts were inverted which will result in lower bolt tension for the specified tightening torque.

III. Corrective Action

After an evaluation of the sample taken, FP&L decided to replace all of the bolts in safety related flanged connections (approx. 793 connections). These bolts for all Class 1, 2, and 3 flanges, will be replaced in accordance with approved Site Quality Control procedures.

IV. Safety Implications

Our evaluation indicated that some safety systems contained bolted flanges that did not have proper documentation. In addition, the inverted installation of the nuts could have resulted in reduced strength. Without proper documentation and installation, the long term integrity of the flanged connections could not be verified and, therefore, we have determined that this item is reportable under 10CFR50.55(e).

V. Conclusion

Corrective action as identified in item III above has been undertaken and is in the final stages. All pertinent documentation will be maintained at the site. This response closes out this item with respect to the reporting requirements of 10CFR50.55(e).