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SUBJECT: Discusses status of util actions in response to 860729 safety evaluation re conformance to Reg Guide 1.97, Rev 3.

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L-88-438

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Re: St. Lucie Unit 1
Docket No. 50-335
Conformance to Regulatory Guide 1.97

By letter dated July 29, 1986 (Ashok C. Thadani to C. O. Woody) the NRC forwarded its Safety Evaluation and associated Technical Evaluation Report on the above subject. The staff found that the St. Lucie Units 1 and 2 design was acceptable with respect to conformance to Regulatory Guide 1.97, Revision 3, except for the variables pertaining to (a) accumulator tank level or pressure, (b) containment fan heat removal system monitoring, and (c) steam generator wide-range level.

By letter L-86-461 dated December 30, 1986, Florida Power & Light Company (FPL) outlined actions to be taken in response to the staff's Safety Evaluation. The status of these actions for St. Lucie Unit 1 is discussed below.

With respect to the lack of environmentally qualified instrumentation for monitoring safety injection accumulator level or pressure, the existing safety injection tank level instrumentation has been replaced with Rosemount Model 1153 Class 1E level transmitters. These new transmitters are environmentally and seismically qualified to meet the requirement of IEEE-323-1974 and IEEE-344-1975. The instrumentation loops have been upgraded to receive 120 VAC vital uninterrupted power.

With respect to the environmental qualification of the instrumentation for monitoring the operation of the Containment Fan Heat Removal System (CFHRS), the Leeds & Northrup temperature elements have been replaced with nuclear qualified models by Conax Buffalo Corporation. Also, the Component Cooling Water (CCW) flow switches to the Containment Fan Coolers have been replaced with similar switches except that the replacement flow switches as well as the new temperature elements and cabling are environmentally and seismically qualified to meet the requirements of IEEE-323-1974 and IEEE-344-1975 or DOR guidelines. The instrumentation loops have been upgraded to receive 120 VAC vital uninterrupted power.

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With respect to the staff position on redundant wide-range steam generator level instrumentation, FPL will not be implementing any modifications to the instrumentation monitoring this variable until the staff completes its review of the additional justification for the proposed deviation provided in FPL letter L-87-242 dated June 17, 1987. FPL had communicated this position to the staff by FPL letter L-87-434 dated November 4, 1987, and the staff has verbally concurred with this position.

If you have any questions concerning this information, please contact us.

Very truly yours,



W. F. Conway
Senior Vice President - Nuclear

WFC/EJW/cm

cc: Malcolm L. Ernst, Acting Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

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