





AUGUST 14 1989

L-89-286

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

Gentlemen:

Re: St. Lucie Unit 2
Docket No. 50-389
Conformance to Regulatory Guide 1.97 (TAC No. 64334)

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 2 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 transmitters have been replaced with Rosemount Model 1153DD5PB Class 1E 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 safety-related, emergency diesel generator-backed, 120 VAC power.

With respect to the environmental qualification of the instrumentation for monitoring the operation of the Containment Fan Heat Removal System (CFHRS), the temperature elements have been replaced with nuclear qualified thermocouple assemblies manufactured by Conax Buffalo Corporation. The Component Cooling Water (CCW) flow switches to the Containment Fan Coolers 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. The temperature instrumentation loops receive safety-related, emergency diesel generator-backed, 120 VAC 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 from Regulatory Guide 1.97 provided in FPL letters L-87-242 dated June 17, 1987 and L-88-527 dated December 23, 1988. 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.

Should there be any questions concerning this information, please contact us.

Very truly yours,

R. L. Geosty
for

C. O. Woody
Acting Senior Vice President - Nuclear

COW/EJW/gp

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant



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