



August 8, 1983
L-83-439

Office of Nuclear Reactor Regulation
Attention: Mr. Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Clark:

Re: St. Lucie Unit 1
Docket No. 50-335
Request for Additional Information

The attachment to this letter provides Florida Power & Light Company's responses to questions asked by your staff during telephone conversations on June 9th and 10th, 1983.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/RJS/cab

Attachment

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Attachment

Containment Pressure - II.F.1.4

Question: NRC asked if the strip chart recorder can be switched to Train B if Train A fails.

Response: The chart recorder PR-07-8A can not be switched from Safety Train A to safety Train B. NUREG 0737 requires that Regulatory Guide 1.97 Rev. 2 be followed for design and qualification criteria. Containment Pressure is listed as a Category 1 variable. Our interpretation of RG 1.97 Rev. 2 is that recording for at least one train is all that is required. FPL meets this recording requirement.

Containment Sump Monitor - II.F.1.5

Question: NRC asked if there is only one train for monitoring sump level.

Response: There is only one train for monitoring sump level. NUREG 0737 requires that a narrow range instrument be provided to cover the range from the bottom to the top of the Containment Sump, and references RG 1.97 Rev. 2 for the design and qualification criteria. Sump level has been classified as a Cat. 2 variable in RG 1.97 Rev. 2 and does not require redundancy. However, there is also a Containment Water Level Wide range monitor.

Containment Hydrogen - II.F.1.6

Question: NRC asked what accuracy level was being claimed for the containment hydrogen monitor.

Response: Comsip Delphi, the equipment manufacturer, claims that the hydrogen analyzer can be calibrated with $\pm 2\%$ accuracy over the full scale. Therefore, we take credit for $\pm 2\%$. However, our experience shows that an accuracy of $\pm 1\%$ is achievable as demonstrated by the following data from a previous calibration.

Hydrogen Concentration	Instrument Reading	
	Control Room	Local
2.91	2.91	2.81
4.53	4.50	4.45

Question: NRC asked whether or not the hydrogen monitor solenoid valves are controllable from the control room.

Response: The solenoid valves are controllable from the control room.

General Questions

Question: NRC asked what the SAS computer scan rates are for the different parameters.

Response: The scan rates are as follows:

Containment Pressure		
Narrow and Mid-Range	-	4 seconds
Wide Range	-	1 second
Containment Sump Level	-	1 second
Containment Water Level	-	16 seconds
Containment Hydrogen	-	16 seconds

Question: NRC asked if the plant operator can direct the SAS computer to keep a record of the data most recently scanned.

Response: The SAS computer maintains a record of the data scanned over the previous 30 minutes. The SAS computer also has the capability to maintain a record of the data scanned over a period of time in excess of 30 minutes.

Question: NRC asked if the SAS computer can present an analog display of the last 30 minutes on a CRT located in the control room.

Response: The SAS computer can present an analog display of the last 30 minutes on a CRT located in the control room.

Question: NRC asked if the SAS computer can print a hard copy of the display described above on a color plotter.

Response: The SAS computer can print a hard copy on a color plotter of the display described above.

Question: NRC asked how often the hydrogen monitoring system is calibrated.

Response: The hydrogen monitoring system is normally calibrated every three months.

Question: NRC asked if the SAS computer has trending capability.

Response: Containment Pressure, Containment Sump Level, and Containment Hydrogen are all included in the SAS computer trend group.