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VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Documents addl info provided on 840106 re NUREG-0737,Items II.F.1.4,II.F.1.5 & II.F.1.6 concerning containment pressure,water level & hydrogen monitors,respectively.

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Carolina Power & Light Company

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FEB 03 1984

Director of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing
United States Nuclear Regulatory Commission
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
NUREG-0737, ITEMS II.F.1.4, II.F.1.5, II.F.1.6
CONTAINMENT PRESSURE, WATER LEVEL, AND HYDROGEN MONITORS

Dear Mr. Varga:

By letters dated April 7, 1983 and August 4, 1983, Carolina Power & Light Company (CP&L) responded to your February 14, 1983 request for information concerning the containment pressure, water level, and hydrogen monitors for the H. B. Robinson Steam Electric Plant Unit No. 2 (HBR2). In a telephone call with members of your staff on January 6, 1984, CP&L responded to additional questions on these items. The purpose of this letter is to document the additional information provided on January 6, 1984.

1. The pressure monitor is a redundant system with a range of -5 psig to +126 psig.

2. The pressure transmitter is outside containment; therefore, 25°F is a realistic temperature swing under accident conditions. Following an accident, the pressure transmitter returns to ambient temperature conditions within a few minutes.

3. The time constant of the pressure transmitter is 0.2 seconds at 100°F.

4. The string of water level transmitters provides a continuous analog signal of water level from the bottom of the sump to an elevation seven feet above the top of the sump (total range is 420 inches).

5. The indicator for the water level monitor is a redundant analog display which is part of the electronics package in Figure 2 of our April 7, 1983 letter. The accuracy of the water level receiver monitor, which includes the analog display, is stated in our August 4, 1983 submittal.

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6. The hydrogen indicator is a meter which is part of the electronic package in Figure 3 of our April 7, 1983 letter. As agreed upon with your staff, a good assumption for the accuracy of this meter would be 0.5%.

If you have any further questions on this subject, please contact a member of the Nuclear Licensing Staff.

Yours very truly,

S. R. Zimmerman
Manager
Nuclear Licensing Section

ONH/ccc (9350ONH)

cc: Mr. J. P. O'Reilly (NRC-RII)
Mr. G. Requa (NRC)
Mr. Steve Weise (NRC-HBR)