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ACCESSION NBR: 8201110093 DOC. DATE: 81/12/31 NOTARIZED: YES DOCKET #
 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
 AUTH. NAME AUTHOR AFFILIATION
 ZIMMERMAN, S.R. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

SUBJECT: Responds to 810210 Generic Ltr 82-14. Auxiliary feedwater sys
 is designed constructed & maintained per FSAR Seismic Class
 I requirements. Assessment of seismic qualification of
 electrical cables will be completed by end of 1982.

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Carolina Power & Light Company

December 31, 1981



FILE: NG-3514(R)

Serial No.: NO-81-2159

Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
Washington, D. C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
RESPONSE TO GENERIC LETTER NO. 81-14

Dear Mr. Eisenhut:

Carolina Power and Light Company (CP&L) provides the following response to your Generic Letter No. 8114, dated February 10, 1981. Due to an apparent error in the mail this letter was never received by CP&L. CP&L obtained a copy of this letter on August 5, 1981 from Licensing Information Service. As a result, our response is not within the time frame requested in your letter. The responses are in a format corresponding to that of your request.

- A. The H. B. Robinson Auxiliary Feedwater System (AFWS) is designed, constructed and maintained in accordance with the Seismic Class I requirements presented in the H. B. Robinson FSAR (Section 5). An engineering flow diagram showing the seismic boundaries of the AFWS is enclosed for your information. The AFWS was evaluated within the scope of seismic related NRC I.E. Bulletins 79-02, 79-04, 79-07, 79-14, and 80-11. These evaluations did not include safety related electrical equipment. CP&L is currently evaluating the adequacy of anchorage and support of safety related electrical equipment as described in I.E. Information 80-21. As a part of this analysis, the adequacy of the seismic qualification of electrical cables and motor control centers will be assessed (see table 1). This work is scheduled to be completed by the end of 1982.
- B. The seismic qualification methodologies and acceptance criteria used for the AFWS piping is provided in FSAR Section 5 and was summarized in our response to I.E. Bulletin 79-14 (Robinson Serial No. 81-554, dated March 31, 1981). H. B. Robinson's FSAR Appendix 5A discusses the seismic qualification methodologies and acceptance criteria used for the AFWS pumps and valves.

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PDR ADDCK 05000261
PDR

411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

*Appl
Sill*

The Condensate Storage Tank (CST) is the primary water supply to the AFWS. Seismic qualification of the CST is discussed in FSAR Appendix 5B. The Well Water System used for a backup water supply is a non-seismic system; however, a second backup supply is the Service Water (SW) System. Seismic qualification of the SW System is discussed in the FSAR Section 5 and summarized in our response to I.E. Bulletin 79-14.

The procedures which would be followed to enable transfer from the primary water supply, CST, to the secondary water supply, SW, are outlined in the Plant Operating Procedures (OP), OP-14, and in the Plant Emergency Instructions (EI), EI-5 and EI-6.

- C. CP&L believes that the AFWS at H. B. Robinson is adequately designed and maintained to withstand the original design basis earthquake as outlined in FSAR Section 5 and Appendixes. The few AFWS components that are not currently documented, as being seismically qualified, will be properly evaluated during the ongoing review associated with I.E. Information Notice 80-21.
- D. The H. B. Robinson Plant feels that Section D of Enclosure 1, Request For Information, of Generic Letter 81-14, is not applicable due to present seismic qualifications.

Should you have any questions, please contact my staff.

Yours very truly,



S. R. Zimmerman

Manager

Licensing & Permits

RCH/DCW/lr (043-246)

Enclosure

cc: W. J. Ross

Sworn to and subscribed before me this 31st day of December, 1981.


Notary Public

My commission expires: **My Commission Expires May 18, 1983**

TABLE 1

AUXILIARY FEEDWATER SEISMIC QUALIFICATION

- (1) Pumps/Motors
- (2) Piping
- (3) Valves/Actuators
- (4) Power Supplies: Motor Control Centers and Electrical Cabling and Cable Trays (See Note 1)
- (5) Primary Water and Supply Path
- (6) Secondary Water and Supply Path*
- (7) Initiation and Control System
- (8) Structures Supporting or Housing These AFW System Items

*Applicable only to those plants where the primary water supply or path is not provided; however, a seismically qualified alternate path exists.

- (1) Seismic Qualification is currently underway in response to IE Notice 80-21.