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RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Provides response to NRC GL 96-01, "Review of Safety-Related Logic Circuits," for HB Robinson Steam Electric Plant, Unit 2. Submitted after original 960311 due date by NRC issued generic due date extension.

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TITLE: GL 96-01 Response-Testing of Safety-Related Logic

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Robinson Nuclear Plant
 3581 West Entrance Road
 Hartsville SC 29550

APR 18 1996

Robinson File No: 13510

Serial: RNP-RA/96-0073

United States Nuclear Regulatory Commission
 Attention: Document Control Desk
 Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
 DOCKET NO. 50-261/LICENSE NO. DPR-23
 RESPONSE TO GENERIC LETTER 96-01,
"REVIEW OF SAFETY-RELATED LOGIC CIRCUITS"

Gentlemen:

In accordance with 10 CFR 50.54(f), we are providing the following response to NRC Generic Letter (GL) 96-01, "Review of Safety-Related Logic Circuits," for the H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2. This response was originally due by March 11, 1996. By NRC letter dated February 14, 1996, to Mr. Alexander Marion of the Nuclear Energy Institute, the NRC issued a generic due date extension of 30 days for the initial response from the date of an industry workshop conducted on March 19, 1996. Therefore, this response is due by April 18, 1996.

GL 96-01 contains the following requested actions.

- "(1) Compare electrical schematic drawings and logic diagrams for the reactor protection system, EDG load shedding and sequencing, and actuation logic for the engineered safety features systems against plant surveillance test procedures to ensure that all portions of the logic circuitry, including the parallel logic, interlocks, bypasses and inhibit circuits, are adequately covered in the surveillance procedures to fulfill the TS requirements. This review should also include relay contacts, control switches, and other relevant electrical components within these systems, utilized in the logic circuits performing a safety function.
- (2) Modify the surveillance procedures as necessary for complete testing to comply with the technical specifications. Additionally, the licensee may request an amendment to the technical specifications if relief from certain testing requirements can be justified."

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The GL required that we submit a written response indicating whether we will implement the requested actions, and if so that we provide a completion schedule. The GL also required that we submit a letter confirming completion of the requested actions.

Surveillance test requirements for the HBRSEP, Unit No. 2 Reactor Protection System, Emergency Diesel Generator (EDG) load shedding and sequencing, and actuation logic for the Engineered Safety Feature (ESF) systems are primarily contained in Technical Specifications (TS) Table 4.1-1. A self-initiated action to thoroughly evaluate the quality of the surveillance testing program for TS Table 4.1-1 was conducted and completed in June 1992. The evaluation included a comparison of relevant drawings to surveillance test procedures and TS surveillance test requirements for the items listed in TS Table 4.1-1. Discrepancies in our compliance with TS Table 4.1-1 resulting from our review of TS Table 4.1-1 were identified in Licensee Event Reports (LERs) 92-002, 92-010, and 94-001. Required changes to our surveillance test procedures were documented in the above referenced LERs, and the identified required changes to our surveillance test procedures have been completed.

A supplemental review of surveillance test procedures was completed in December 1994 that encompassed remaining surveillance test requirements for the EDG load shedding and sequencing and remaining actuation logic for ESF systems that were not contained in TS Table 4.1-1. The supplemental evaluation also included a comparison of relevant drawings to surveillance test procedures and TS surveillance test requirements. No required changes to our surveillance test procedures were identified in the supplemental review to achieve compliance with TS.

Therefore, the surveillance testing procedures for the logic circuits within the GL 96-01 scope are in compliance with the TS, and the requested actions contained in GL 96-01 are complete. Accordingly, this completes our response to GL 96-01.

Questions regarding this matter may be referred to Mr. A. L. Garrou at (803) 857-1544.

Very truly yours,



R. M. Krich

Manager - Regulatory Affairs

ALG/klb

Enclosure

c: Mr. S. D. Ebnetter, Regional Administrator, USNRC, Region II
Ms. B. L. Mozafari, USNRC Project Manager, HBRSEP
Mr. W. T. Orders, USNRC Senior Resident Inspector, HBRSEP

Affidavit

State of South Carolina
County of Darlington

C. S. Hinnant, having been first duly sworn, did depose and say that the information contained in letter RNP-RA/96-0073 is true and correct to the best of his information, knowledge and belief; and the sources of his information are officers, employees, contractors, and agents of Carolina Power & Light Company.

C S Hinnant

Sworn to and subscribed before me

this 18th day of April 1996

(Seal)

Albert L. Carron
Notary Public for South Carolina

My commission expires: March 22nd, 2005