

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9805210284 DOC.DATE: 98/05/14 NOTARIZED: YES DOCKET #
FACIL:50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261
AUTH.NAME: WILKERSON, T.M. AUTHOR AFFILIATION
Carolina Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

SUBJECT: Provides info in response to 980430 telcon re response to
Supp 1 of GL 87-02, "Verification of Seismic Adequacy of
Mechanical & Electrical Equipment in Operating Reactors,
USI A-46."

DISTRIBUTION CODE: A025D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5
TITLE: Seismic Qualification of Equipment in Operating Plants - A-46 - GL-87

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	OGC/HDS3	1 1	PD2-1 PD	1 1
	SHEA, J W	1 1		
INTERNAL:	FILE CENTER 01	1 1	NRR/DE	1 1
	NRR/DE/ECGB	1 1	NRR/DE/EMEB	2 2
	NRR/DRCH/HHFB	1 1	NRR/DRCH/HICB	1 1
	NRR/DRPE/PD1-3	1 1	NRR/DSSA/SRXB	1 1
EXTERNAL:	NRC PDR	1 1		

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE. TO HAVE YOUR NAME OR ORGANIZATION REMOVED FROM DISTRIBUTION LISTS
OR REDUCE THE NUMBER OF COPIES RECEIVED BY YOU OR YOUR ORGANIZATION, CONTACT THE DOCUMENT CONTROL
DESK (DCD) ON EXTENSION 415-2083

TOTAL NUMBER OF COPIES REQUIRED: LTTR 13 ENCL 13



Carolina Power & Light Company

Robinson Nuclear Plant
3581 West Entrance Road
Hartsville SC 29550

RNP File No: 13510

Serial: RNP-RA/98-0089

MAY 14 1998

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

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23
ADDITIONAL INFORMATION IN RESPONSE TO SUPPLEMENT 1 TO
GENERIC LETTER 87-02, "VERIFICATION OF SEISMIC ADEQUACY OF
MECHANICAL AND ELECTRICAL EQUIPMENT IN OPERATING REACTORS, USI A-46"

Sir or Madam:

The purpose of this letter is to provide information in response to telephone discussions between Carolina Power & Light (CP&L) Company and the NRC regarding the CP&L response to Supplement 1 to Generic Letter (GL) 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, USI A-46." The telephone conversation was held on April 30, 1998, between Messrs. H. K. Chernoff, D. J. Dykesterhouse, J. R. Paul, R. L. Knott, R. J. Duncan, and A. L. Garrou of CP&L and Mr. J. W. Shea and Dr. J. S. Ma of the NRC. As a result of this conversation, CP&L provides additional information in support of its response to GL 87-02, Supplement 1.

Attachment I provides an affidavit as required by 10 CFR 50.54(f). Attachment II provides the additional information in support of CP&L's response to GL 87-02, Supplement 1.

11

A 025

190091
9805210284 980514
PDR ADOCK 05000261
PDR

If you have any questions concerning this matter, please contact me or Mr. H. K. Chernoff of my staff.

Very truly yours,



T. M. Wilkerson

Manager - Regulatory Affairs

ALG/alg

Attachments

I. Affidavit

II. Additional Information in Response to Generic Letter 87-02, Supplement 1

c: Mr. L. A. Reyes, USNRC, Region II
Mr. J. W. Shea, USNRC
USNRC Resident Inspector, HBRSEP

Affidavit

State of North Carolina

County of Brunswick

C. S. Hinnant, having been first duly sworn, did depose and say that the information contained in letter RNP-RA/98-0089 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.

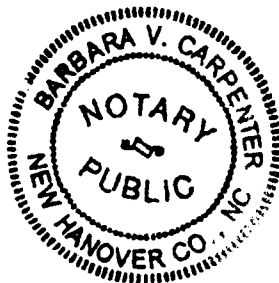
C S Hinnant

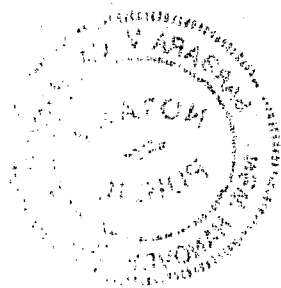
Sworn to and subscribed before me

this 14th day of May 1998

(Seal) Barbara V. Carpenter
Notary Public for North Carolina

My commission expires: 2-16-03





H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
ADDITIONAL INFORMATION IN RESPONSE TO GENERIC LETTER 87-02,
SUPPLEMENT 1

Carolina Power & Light (CP&L) Company provides the following information in support of its responses to Supplement 1 to Generic Letter (GL) 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, USI A-46." CP&L has previously provided information in response to GL 87-02, Supplement 1, by letters dated September 19, 1992, February 2, 1993, December 12, 1994, June 30, 1995, February 5, 1996, and August 4, 1997. The CP&L letter dated June 30, 1995, contained a summary report addressing Unresolved Safety Issue (USI) A-46¹ (i.e., USI A-46 Report).

The USI A-46 Report did not discuss evaluations of the connection between anchor bolts and tank walls performed in accordance with Subsection 7.3.3.2 of the Generic Implementation Procedure, Revision 2 (i.e., GIP-2)², nor discuss buckling stress capacity evaluations for tanks and heat exchangers performed in accordance with Subsection 7.3.3.3 of GIP-2, nor discuss the Limited Analytical Review of the cable tray and conduit support performed in accordance with Section 8.3 of GIP-2.

The USI A-46 Report Section 6.1 describes 31 tanks and heat exchangers that are included within the scope of Unresolved Safety Issue (USI) A-46. Only three (3) of these tanks fall within the scope of large, flat-bottomed, vertical storage tanks and require evaluation in accordance with GIP-2 Subsection 7.3.1 "Scope of Vertical Tanks." The tanks that require evaluation of anchorage connection capability and tank shell buckling capacity are the:

- a. Diesel Oil Storage Tank,
- b. Refueling Water Storage Tank, and
- c. Condensate Storage Tank.

The USI A-46 Report, Table 6-1, "Results of Tank and Heat Exchanger Review," refers to calculations which document reviews of tanks and heat exchangers in the third column of the table entitled "Anchorage Calc No." The referenced calculations for these three tanks (i.e., 064³, 065⁴ and 066⁵) were performed in accordance with the requirements of GIP-2 Section 7.3, including Subsections 7.3.3.2 and 7.3.3.3. These calculations include evaluations of the capacity of the anchor chairs and associated connection details and evaluations of the compressive axial buckling stress capacity of the tank shells. The evaluations for these tanks met the screening guidelines, and the tanks were not classified as outliers.

¹ "USI A-46 Review for H. B. Robinson Steam Electric Plant Unit No. 2," Revision 0, Carolina Power & Light Company, June 1995.

² "Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment," Revision 2, Corrected February 14, 1992, Seismic Qualification Utilities Group, Winston & Strawn, et. al.

³ Calculation 52212-C-064.

⁴ Calculation 52212-C-065.

⁵ Calculation 52212-C-066.

Limited Analytical Reviews were performed on selected cable tray and conduit supports considered to be bounding or "worst-case" samples. The selection of bounding samples of the raceway supports was documented in the Plant Area Summary Sheets that were completed in accordance with GIP-2 Section 8.2, "Walkdown Guidelines." The Limited Analytical Reviews were performed in accordance with GIP-2, Section 8.3, "Limited Analytical Review Guidelines." The Limited Analytical Reviews for the bounding samples were documented in Calculation 52212-C-036 and met the screening guidelines, and no bounding sample cable tray or conduit supports were classified as outliers.

Summary

The information provided above is in response to questions raised by the NRC during telephone discussions between CP&L and the NRC regarding the CP&L response to Supplement 1 to Generic Letter (GL) 87-02. The telephone conversation was held on April 30, 1998.