

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8310210046 DOC. DATE: 83/10/14 NOTARIZED: YES DOCKET #
 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
 AUTH. NAME AUTHOR AFFILIATION
 MCDUFFIE, M.A. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 VARGA, S.A. Operating Reactors Branch 1

SUBJECT: Application for amend to License DPR-23, incorporating new
 heatup & cooldown limitation curves.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 247
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES: *W/Check #4,000*

RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
NRR/DL/ADOR	1 0	NRR ORB1 BC	1 0
NRR ORB1 LA	1 0	REQUA, G 01	1 1

INTERNAL: ELD/HDS1	1 0	IE FILE	1 1
IE/DEPER/EPB 36	3 3	IE/DEPER/IRB 35	1 1
IE/DEQA/GAB 21	1 1	NRR/DE/AEAB	1 0
NRR/DE/CEB 11	1 1	NRR/DE/EHEB	1 1
NRR/DE/eqB 13	2 2	NRR/DE/GB 28	2 2
NRR/DE/MEB 18	1 1	NRR/DE/MTEB 17	1 1
NRR/DE/SAB 24	1 1	NRR/DE/SGEB 25	1 1
NRR/DHFS/HFEB40	1 1	NRR/DHFS/LQB 32	1 1
NRR/DHFS/PSRB	1 1	NRR/DL/SSPB	1 0
NRR/DSI/AEB 26	1 1	NRR/DSI/ASB	1 1
NRR/DSI/CPB 10	1 1	NRR/DSI/CSB 09	1 1
NRR/DSI/ICSB 16	1 1	NRR/DSI/METB 12	1 1
NRR/DSI/PSB 19	1 1	NRR/DSI/RAB 22	1 1
NRR/DSI/RSB 23	1 1	<u>REG. FILE</u> 04	1 1
RGN2	3 3	RM/DDAMI/MIB	1 0

EXTERNAL: ACRS 41	6 6	BNL (AMDTS ONLY)	1 1
DMB/DSS (AMDTS)	1 1	FEMA-REP DIV 39	1 1
LPDR 03	1 1	NRC PDR 02	1 1
NSIC 05	1 1	NTIS	1 1

TOTAL NUMBER OF COPIES REQUIRED: LTR 53 ENCL 46



Carolina Power & Light Company

SERIAL: LAP-83-471

OCT 14 1983

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
REQUEST FOR LICENSE AMENDMENT
HEATUP AND COOLDOWN CURVES

Dear Mr. Varga:

SUMMARY

In accordance with the Code of Federal Regulations, Title 10, Part 50.90 and Part 2.101, Carolina Power & Light Company (CP&L) hereby requests revisions to the Technical Specifications (TS) for the H. B. Robinson Steam Electric Plant Unit No. 2 (HBR2). These revisions will incorporate new heatup and cooldown limitation curves.

DETAILS

During the 1982 HBR2 Refueling Outage, a Reactor Vessel Material Surveillance Capsule (Capsule T) was removed for analysis. By letter dated August 19, 1983 (SERIAL: LAP-83-301), CP&L submitted to the Commission a report, "Analysis of Capsule T from the H. B. Robinson Unit 2 Reactor Vessel Surveillance Program," which contains the analysis results. Based upon these results, new heatup and cooldown curves were requested from the NSSS vendor (Westinghouse Electric Corporation). The TS heatup and cooldown curves have been revised in accordance with HBR2 Technical Specification 3.1.2.4.

SIGNIFICANT HAZARDS ANALYSIS

The HBR2 TS are being revised to update the heatup and cooldown restrictions. This revision is based on the results of surveillance tests and Regulatory Guide 1.99 and incorporates procedures required by the May 27, 1983 revisions of Appendices G and H to 10CFR50. A conservatism of 10°F and 60 psi is contained in the revised curves to account for instrument location and possible errors in instrument reading or calibration. Westinghouse has affirmed that the metal thermal conductivity range used for their calculations is satisfactory though it differs from values in Section III of the ASME B&PV code. The Westinghouse procedure has been approved by the NRC Staff for other reactors. This TS change results from CP&L's continuing radiation surveillance program. Following criteria as outlined in 10CFR50.92 and examples published in the Federal Register on April 6, 1983 (48 FR 14864),

8310210046 831014
PDR ADDCK 05000261
P PDR

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

Boo! w/leak \$4,000

Steven A. Varga

-2-

CP&L believes that the proposed TS revisions involve no significant hazard considerations. No significant changes are made to the acceptance criteria for the TS, the analytical methods used to demonstrate conformance with the TS and regulations are not significantly changed, and the NRC has previously found such methods acceptable.

ADMINISTRATIVE INFORMATION

The proposed HBR2 TS pages are attached with the revisions marked by a vertical line in the right hand column. We have evaluated this request in accordance with the provisions of 10CFR170.22 and have determined that a Class III license amendment fee is required. A check for \$4,000.00 is enclosed in payment of this license fee.

Should you have any questions regarding this request, please contact a member of our Nuclear Licensing Staff.

Yours very truly,

M A McDuffie

M. A. McDuffie
Senior Vice President
Nuclear Generation

AWS/pgp (8148NLU)
Attachment

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

M. A. McDuffie, having been first duly sworn, did depose and say that the information contained herein 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.

Franklin Murray
Notary (Seal)

My commission expires: **OCT 04 1986**

