

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8006230396 DOC.DATE: 80/06/20 NOTARIZED: NO DOCKET #  
 FACIL:50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Ligh 05000261  
 AUTH.NAME AUTHOR AFFILIATION  
 UTLEY,E.E. Carolina Power & Light Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Application for amend to License DPR-23, revising containment  
 purge & vent valve closing time. Class III fee encl.

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 TITLE: Containment Purging

NOTES: W/CHECK \$4000.00.

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	HANAUER,S.	1	0	I&E 12	2	2
	MOORE,V.	1	1	NRC PDR 02	1	1
	OR ASSESS BR 19	1	1	RAD ASSESS BR	1	1
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Carolina Power & Light Company

June 20, 1980

File: NG-3514(R)

Serial No.: NO-80-928

Office of Nuclear Reactor Regulation  
Attention: Mr. Steven A. Varga, Chief  
Operating Reactors Branch No. 1  
United States Nuclear Regulatory Commission  
Washington, D. C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
REQUEST FOR TECHNICAL SPECIFICATION CHANGE  
CONTAINMENT PURGE VALVES

Dear Mr. Varga:

In its letter of December 7, 1979, Carolina Power & Light Company (CP&L) informed you that a valve qualification program had been initiated for the Containment Purge and Vent Valves at H. B. Robinson. That program is now complete. The valve manufacturer (Allis-Chalmers) has provided to CP&L the test data and results which show that the Containment Purge Valves (42-inch butterfly valves) will shut within two (2) seconds from an opening of 70 degrees against a Containment Pressure of 42 psig (maximum pressure expected for a design basis event). Seventy (70) degrees was chosen based on radiological consequence data, not because of valve limitations. The test results also show that the Containment Vent Valves (6-inch butterfly valves) will shut from fully open within two (2) seconds against a Containment Pressure of 42 psig. A two-second closing time is the original design basis for the valves, and the original construction and installation specification for the valves. Limiting the valve opening of the 42-inch valves to 70 degrees yields a calculated post LOCA two-hour thyroid dose of less than 300 rem.

Based on the above results, CP&L will modify the 42-inch butterfly valves during the next refueling outage to restrict their maximum opening to 70 degrees (90 degrees being fully open). Our analysis has shown no need to resubmit our ECCS analysis, since the assumed valve shutting time has been confirmed.

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\$4000.00

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

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As indicated in our letter of February 22, 1980, the Containment Purge and Vent Valves are presently tested for isolation capability and closing time under the ISI program. However, A. Schwencer's letter of January 9, 1980 requested that Technical Specifications be proposed on Containment Purge and Vent Valve closing time. Therefore, in accordance with the Code of Federal Regulations, Title 10, Part 50.90 and Part 2.101, CP&L submits the attached changes to the H. B. Robinson Unit No. 2 Technical Specifications. Changes are indicated by vertical lines in the right hand margin of the affected pages. In accordance with 10CFR170.12(c), we have determined that this revision constitutes a Class III Amendment. Accordingly, our check for \$4000 is enclosed.

We trust this information satisfies your concerns and is suitable for your use. If you have any questions on this subject, please contact our staff.

Yours very truly,



E. E. Utley  
Executive Vice President  
Power Supply and  
Engineering & Construction

Sworn to and subscribed before me this

Franklin Murray  
Notary Public

My commission expires:

JJS/jc (6557)

Attachment

cc: Mr. J. D. Neighbors (NRC)  
Mr. J. P. O'Reilly (NRC-I&E)

