

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8001070367 DOC. DATE: 79/12/28 NOTARIZED: NO DOCKET #
 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
 AUTH. NAME: AUTHOR AFFILIATION
 UTLEY, E. E. Carolina Power & Light Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 SCHWENCER, A. Operating Reactors Branch 1

SUBJECT: Submits info re how info presented by Westinghouse Turbine
 Div at 791030 & 1217 meetings affects facility. Insp of
 turbine in May 1980 is reasonable & conservative course of
 action.

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Carolina Power & Light Company

December 28, 1979

FILE: NG-3514(R)

SERIAL NO.: GD-79-3303

Office of Nuclear Reactor Regulation
Attention: Mr. Albert Schwencer, 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
TURBINE DISC CRACKING

Dear Mr. Schwencer:

Members of your staff have asked through phone conversations that Carolina Power & Light Company (CP&L) address how the information presented by Westinghouse Turbine Division at an October 30, 1979 meeting for their customers and a December 17, 1979 meeting for the NRC on Turbine Disc Cracking affects the H. B. Robinson Plant. The following information applies to H. B. Robinson:

1. The turbine will be opened for inspection during the refueling outage scheduled for May, 1980. Turbine discs 1 and 2 will be inspected.
2. Turbine disc 3 is a new disc that was installed during the last refueling outage (April-July 1979).
3. Turbine discs 4, 5 and 6 were inspected during the last refueling outage (April-July 1979). No indications of keyway cracking were found.
4. A turbine missile analysis was performed for H. B. Robinson when the plant was licensed and is summarized in the Final Safety Analysis Report. That analysis concluded that no disc fragments would completely penetrate the turbine casing. The highest energy disc was disc 3.

APR 10

Mr. Albert Schwencer

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To date, CP&L has received no new specific data from Westinghouse concerning probability of disc failure or missile energies. The majority of the disc cracking problems identified by Westinghouse occurred in discs 2 and 3. Because failure of disc 3 is the worst identified potential failure in the turbine by our previous analysis and because the probability of disc 3 potentially failing has been significantly reduced by replacing it during the last outage, CP&L believes that inspection of the turbine in May 1980 is a reasonable and conservative course of action. Should any significant findings be found during that inspection, your staff will be notified.

Yours very truly,

M A M. Utley

for E. E. Utley

Executive Vice President
Power Supply & Customer Services

JJS/jcb