

50-261

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Robert W. Reid

FROM: CP&L

Raleigh N. C. 27602
E. E. Utley

DATE OF DOCUMENT

2-11-77

DATE RECEIVED

2-16-77

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DESCRIPTION

Ltr. Ref our 1-7-77 ltr...concerning
Thermal Margin Credits to Offset DNBR Reduction
and that no changes to present Tech. Specs are
required...

(1 page)

PLANT NAME: HB ROBINSON UNIT # 2

ENCLOSURE

DO NOT REMOVE

ACKNOWLEDGED

SAFETY

FOR ACTION/INFORMATION

ENVIRO

JCM 2-16-77

ASSIGNED AD:

BRANCH CHIEF:

REID

PROJECT MANAGER:

LIC. ASST. :

INGRAM

ASSIGNED AD:

BRANCH CHIEF:

PROJECT MANAGER:

LIC. ASST. :

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	<input type="checkbox"/> SYSTEMS SAFETY	<input type="checkbox"/> PLANT SYSTEMS	<input type="checkbox"/> SITE SAFETY &
<input checked="" type="checkbox"/> NRC-PDR	<input type="checkbox"/> HEINEMAN	<input type="checkbox"/> TEDESCO	<input type="checkbox"/> ENVIRO ANALYSIS
<input checked="" type="checkbox"/> I & E (2)	<input type="checkbox"/> SCHROEDER	<input type="checkbox"/> BENAROYA	<input type="checkbox"/> DENTON & MULLER
<input checked="" type="checkbox"/> OELD	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> LAINAS	<input type="checkbox"/> ENVIRO TECH.
<input type="checkbox"/> GOSSICK & STAFF	<input type="checkbox"/> MACARRY	<input type="checkbox"/> IPPOLITO	<input type="checkbox"/> ERNST
<input type="checkbox"/> MIPC	<input type="checkbox"/> BOSNAK	<input type="checkbox"/> KIRKWOOD	<input type="checkbox"/> BALLARD
<input type="checkbox"/> CASE	<input type="checkbox"/> SIHWEIL	<input type="checkbox"/> OPERATING REACTORS	<input type="checkbox"/> SPANGLER
<input type="checkbox"/> HANAUER	<input type="checkbox"/> PAWLICKI	<input type="checkbox"/> STELLO	<input type="checkbox"/> SITE TECH.
<input type="checkbox"/> HARLESS	<input type="checkbox"/> REACTOR SAFETY	<input type="checkbox"/> OPERATING TECH.	<input type="checkbox"/> GAMMILL
<input type="checkbox"/> PROJECT MANAGEMENT	<input type="checkbox"/> ROSS	<input checked="" type="checkbox"/> EISENHUT (6)	<input type="checkbox"/> STEPP
<input type="checkbox"/> BOYD	<input type="checkbox"/> NOVAK	<input checked="" type="checkbox"/> SHAO	<input type="checkbox"/> HULMAN
<input type="checkbox"/> P. COLLINS	<input type="checkbox"/> ROSZTOCZY	<input checked="" type="checkbox"/> BAER	<input type="checkbox"/> SITE ANALYSIS
<input type="checkbox"/> HOUSTON	<input type="checkbox"/> CHECK	<input checked="" type="checkbox"/> BUTLER	<input type="checkbox"/> VOLLMER
<input type="checkbox"/> PETERSON	<input type="checkbox"/> AT & I	<input type="checkbox"/> GRIMES	<input type="checkbox"/> BUNCH
<input type="checkbox"/> MELTZ	<input type="checkbox"/> SALTZMAN	<input type="checkbox"/>	<input checked="" type="checkbox"/> J. COLLINS
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<input type="checkbox"/> SKOVHOLT			

EXTERNAL DISTRIBUTION

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<input checked="" type="checkbox"/> TIC:	<input type="checkbox"/> REG V. IE	<input type="checkbox"/> ULRIKSON (ORNL)
<input checked="" type="checkbox"/> NSIC:	<input type="checkbox"/> LA PDR	
<input checked="" type="checkbox"/> ASLB:	<input type="checkbox"/> CONSULTANTS:	
<input checked="" type="checkbox"/> ACRS 16 CYS HOLDING/SENT	<input type="checkbox"/>	

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GD



Carolina Power & Light Company

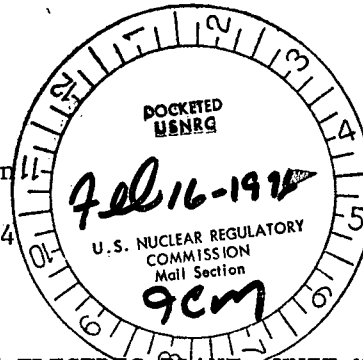
Regulatory Docket File

February 11, 1977

FILE: NG-3514 (R)

SERIAL: NG-77-148

Director of Nuclear Reactor Regulation
ATTN: Mr. Robert W. Reid, Chief
Operating Reactors Branch No. 4
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
FACILITY OPERATING LICENSE NO. DPR-23
THERMAL MARGIN CREDITS TO OFFSET DNBR REDUCTION

Dear Mr. Reid:

By letter of January 7, 1977, you requested a list of thermal margin credits claimed to offset the DNBR reduction for H. B. Robinson due to the effects of fuel rod bowing. You also stated that based on NRC review of new fuel rod bow data and the margin available between the minimum acceptable DNBR and the worst anticipated DNBR for H. B. Robinson, no changes to our present Technical Specifications are required.

CP&L has reviewed the January 7, 1977 letter and attachments and agree with the conclusion that no Technical Specification changes are required. The only credit applied to offset the reduction in DNBR is the reduction in the margin between the DNBR calculated for the worst anticipated transient for the H. B. Robinson (1.68) and the minimum acceptable DNBR (1.3) as described in the attachments to your letter. Therefore, operation of H. B. Robinson will continue in compliance with the limits established in the Technical Specifications.

The plant transient DNBR calculations for H. B. Robinson were performed using an operating power level of 2300 MWt. The penalties in DNBR due to fuel rod bowing and the absorption of those penalties by the credit applied and accepted by the NRC staff apply to 2300 MWt operation. Therefore, the NRC safety evaluation presented in the attachment to your January 7 letter applies to H. B. Robinson at 2300 MWt and the effects of fuel rod bowing is no longer an unresolved issue in the review of our uprating request.

Yours very truly,

E. E. Utley
Senior Vice President
Power Supply

MFP/cll