

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: 301

FILE: \_\_\_\_\_

FROM: Exxon Nuclear Co, Inc. Richland, Washington G.F. Owsley		DATE OF DOC 12-18-75	DATE REC'D 1-13-76	LTR XXX	TWX	RPT	OTHER
TO: D. Bridges		ORIG 1 Signed	CC 0	OTHER	SENT NRC PDR <u>XXX</u>		
					SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-261		

DESCRIPTION:  
Letter furnishing information regarding Plant  
Transient Analysis for H.B. Robinson # 2...

(1 Copy Recieved)

ENCLOSURES:

PLANT NAME: H.B. Robinson # 2

**FOR ACTION/INFORMATION**

SAB 1-16-76

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies	<del>REID (L)</del> W/6 COPIES
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies	<b>ACKNOWLEDGED</b> <b>DO NOT REMOVE</b>
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPIES W/ Copies	
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	LPM W/ Copies	

**INTERNAL DISTRIBUTION**

<del>REG FILE</del> <del>NRC PDR</del> <del>OGC ROOM P-506A</del> <del>GOSSICK/STAFF</del> <del>CASE</del>	TECH REVIEW SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER  ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR <del>Barwa</del> <del>W. J. LESS</del>	LIC ASST R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHBROOK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) <del>B. INGRAM (L)</del> M. DUNCAN (E)	A/T IND. BRAITMAN SALTZMAN MELTZ  PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON <del>Hughes</del> K. PARRISH (L)
--	---	--	---	---

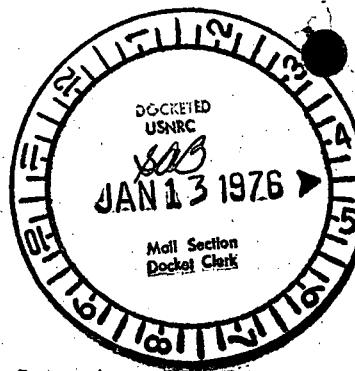
**EXTERNAL DISTRIBUTION**

1 - LOCAL PDR Hartville, S.C.	1 - TIC (ABERNATHY) (1)(2)(10)	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - NSIC (BUCHANAN)	1 - ASLB	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - Newton Anderson	1 - CONSULTANTS	NEWMARK/BLUME/AGBABIAN	1 - G. ULRIKSON ORNL
16 - ACRS XXXXXXXX/SENT	to L.A. R. Ingram		

**EXXON NUCLEAR COMPANY, Inc.**

2101 Horn Rapids Road, Richland, Washington 99352

PHONE: (509) 946-9621



December 18, 1975

**Regulatory**

**File Cy**

**50-261**

Mr. Donald Bridges  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Don:

Subject: Plant Transient Analysis for H. B. Robinson Unit 2

As a result of the measured shutdown rod worth at beginning of life (BOL) for Cycle 4 for H. B. Robinson Unit 2 being less than the calculated worth, we have reassessed the impact this might have on the plant transient analysis (XN-75-14). Table 2.2 of that report lists \$10.01 as the applicable rod worth at BOL. The measured rod worth at the start of the cycle was \$8.51. However, we have verified that the actual rod worth assumed for scrams is \$4.66 for all transients analyzed. Use of the \$4.66 value assures that the rod worth during a plant transient is treated conservatively, and thus we conclude that the plant transient analysis as applied to the Cycle 4 H. B. Robinson Unit 2 operation is adequately conservative.

Sincerely yours,

*G. F. Owsley*  
G. F. Owsley, Manager  
Reload Licensing

GF0:jas