

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 4

FILE: _____

FROM: Carolina Power & Light Company Raleigh, North Carolina 27602 E. E. Utley			DATE OF DOC 12-20-73	DATE REC'D 1-2-74 *1-22-74	LTR x	MEMO	RPT	OTHER
TO: D. J. Skovholt			ORIG 3 signed	CC 37	OTHER	SENT AEC PDR X(Less Prop) SENT LOCAL PDR X(Less Prop)		
CLASS	UNCLASS	PROP INFO XXXXXXXXXX	INPUT	NO CYS REC'D 40	DOCKET NO: 50-261			

DESCRIPTION:
Ltr re our 10-16-73 ltr..furnishing addl info
...Requesting withholding from public
disclosure pursuant to 2.790...trans the
following:

*NOTE: 3 Orig cys rec'd 1-2-74 & 37 Addl Cys
rec'd 1-22-74.

PLANT NAME: H. B. Robinson Unit # 2

ENCLOSURES:

NON-PROP: Rpt "Analysis of the First Material
Surveillance Capsule(SwRI Project 02-3574)
NON-PROP: Rpt "Analysis of Capsule "S" -Reactor
Vessel Surveillance Program".
PROP INFO: WCAP-7373 "Reactor Vessel Radiation
Surveillance Program".

*N.P. See Reports Jacket
PT- See PROP INFO Jacket
(40 cys rec'd)*

ACKNOWLEDGED

FOR ACTION/INFORMATION 1-23-74 fod

BUTLER(L)	SCHWENCER(L)	ZIEMANN(L)	REGAN(E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
CLARK(L)	STOLZ(L)	DICKER(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
GOLLER(L)	VASSALLO(L)	KNIGHTON(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL(L)	SCHEMEL(L)	YOUNGBLOOD(E)	
W/ Copies	W/6 Copies	W/ Copies	W/ Copies

Cys 4 thru 9

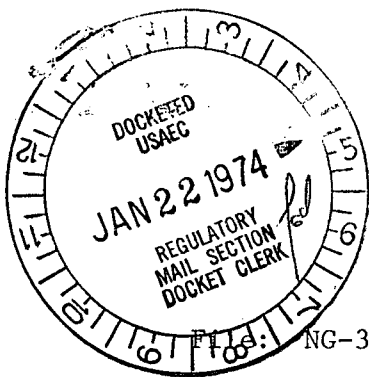
DO NOT REMOVE

INTERNAL DISTRIBUTION

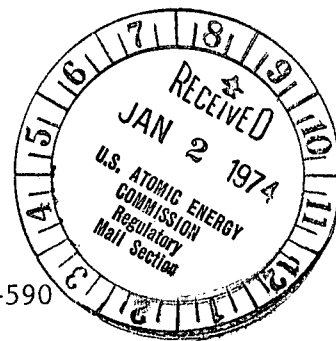
<u>REG FILE Cy # 1</u>	TECH REVIEW	DENTON	LIC ASST	A/T IND
✓AEC PDR (Less Prop)	HENDRIE	GRIMES		BRATTMAN
✓OGC, Cy # 10	SCHROEDER	GAMMILL	DIGGS (L)	SALTZMAN
MUNTZING/STAFF	MACCARY	KASTNER	GEARIN (L)	B. HURT
CASE	KNIGHT	BALLARD	GOULBOURNE (L)	<u>PLANS</u>
GIAMBUSSO	PAWLICKI	SPANGLER	LEE (L)	MCDONALD
BOYD	SHAO		MAIGRET (L)	DUBE w/Input
MOORE (L)(BWR)	STELLO	<u>ENVIRO</u>	SERVICE (L)	<u>INFO</u>
DEYOUNG(L)(PWR)	HOUSTON	MULLER	SHEPPARD (E)	C. MILES
SKOVHOLT (L)(Ltr)	NOVAK	DICKER	SMITH (L)	B. KING
P. COLLINS	ROSS	KNIGHTON	✓TEETS (L) Cy # 11	
DENISE	IPPOLITO	YOUNGBLOOD	WADE (E)	
<u>REG OPR</u>	TEDESCO	REGAN	WILLIAMS (E)	
✓FILE & REGION(2)	LONG	PROJECT LDR	WILSON (L)	
MORRIS Cys 2&3	LAINAS			
STEELE	BENAROYA	HARLESS		
	VOLLMER			

EXTERNAL DISTRIBUTION

✓1 - LOCAL PDR Hartville, S. C. (Less Prop)	(1)(2)(10)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓1 - DTIE(ABERNATHY)(Less Prop)	1-ASLBP(E/W Bldg, Rm 529)	1-GERALD LELLOUCHE
✓1 - NSIC(BUCHANAN)(Less Prop)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB(YORE/SAYRE/ WOODARD/"H" ST.	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
✓16 - CYS ACRS HOLDING Cys 12 thru 27	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
	1-GERALD ULRICKSON...ORNL	1-RD..MULLER..F-309 GT



CP&L
Carolina Power & Light Company
December 20, 1973



Serial: NG-73-590

Mr. Donald J. Skovholt
Assistant Director for Operating Reactors
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Regulatory

File Cy.

50-261

Dear Mr. Skovholt:

H. B. ROBINSON UNIT NO. 2
LICENSE DPR-23

ANALYSIS OF THE FIRST PRESSURE VESSEL SURVEILLANCE CAPSULE

In your letter of October 16, 1973, you requested additional information which would demonstrate that the H. B. Robinson Unit No. 2 pressure vessel surveillance capsule program meets the requirements of Appendix H of 10CFR50 and that the proposed heatup and cooldown curves in our letter of September 19, 1973, are conservative with respect to the requirements of Appendix G of 10CFR50 and the guidelines of the Summer, 1972, Addenda to Section XI of the ASME Boiler and Pressure Vessel Code.

In reply to this request, Carolina Power & Light Company submits a report entitled "Analysis of Capsule S from the Carolina Power & Light Company, H. B. Robinson Unit No. 2 Reactor Vessel Surveillance Program," Westinghouse Nuclear Energy Systems, FP-RA-2, December 18, 1973. This report specifically addresses the information you requested in your letter of October 16 and updates the original base line material property information using recognized methods to allow comparison of the pressure vessel fracture toughness properties with the requirements of Appendix G, 10CFR50.

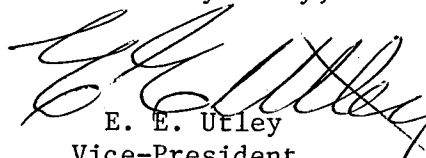
The flux calculations for the reactor vessel wall and the surveillance capsules have been redone using approved Westinghouse methods and new heatup and cooldown curves and hydrostatic test pressures using this information and the derived information mentioned above have been prepared. All of this information is contained in the report and its appendices and supercedes the information provided to you in our letter of September 19, 1973. Thus, revised heatup and cooldown curves to be used in the H. B. Robinson Technical Specifications should be those appearing in Appendix A of FP-RA-2.

December 20, 1973

For your additional information, we are submitting a Southwest Research Institute report, "Analysis of the First Material Surveillance Capsule from H. B. Robinson Unit No. 2," prepared by E. B. Norris, SWRI Project 02-3574, July 16, 1973, and a report entitled "Carolina Power & Light Company - H. B. Robinson Unit No. 2 Reactor Vessel Radiation Surveillance Program," Westinghouse Nuclear Energy Systems, WCAP-7373, January, 1970. WCAP-7373 is classified as a report which contains proprietary information and thus should be considered exempt from public disclosure in accordance with CFR Title 10, Public Records, Part 9.5(a)(4). However, it is expected that this report will be declassified in the near future and we will inform you of this change.

It should be recognized that certain information in the report FP-RA-2 supercedes or duplicates information contained in the latter two reports and that our submittal is based on the report FP-RA-2.

Yours very truly,


E. E. Utley
Vice-President
Bulk Power Supply

DBW:mvp
Enclosures

cc: Messrs. C. D. Barham
N. B. Bessac
T. E. Bowman
B. J. Furr
D. V. Menscer
D. B. Waters