

## AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

(TEMPORARY FORM)

CONTROL NO: 1153

FILE:

FROM: Carolina Power & Light Raleigh, North Carolina E. E. Utley			DATE OF DOC 1-31-74	DATE REC'D 2-12-74	LTR X	MEMO	RPT	OTHER
TO: D. J. Skovholt			ORIG 3 signed	CC 37	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS XXX	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-261		
DESCRIPTION:  Ltr re their ltrs 9-7-73 & 10-26-73 advising that proposed safety injection maintenance has been performed				ENCLOSURES:  <b>DO NOT REMOVE</b> <b>ACKNOWLEDGED</b>				
PLANT NAME: H. B. ROBINSON UNIT #2								

FOR ACTION/INFORMATION

2-13-74

GMC

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

## INTERNAL DISTRIBUTION

<u>REG FILE</u> AEC PDR OGC, ROOM P-506A MUNTZING/STAFF CASE GIAMBUSSO BOYD MOORE (L) (BWR) DEYOUNG (L) (PWR) SKOVHOLT (L) P. COLLINS DENISE REG OPR FILE & REGION (2) MORRIS (2) STEELE	<u>TECH REVIEW</u> HENDRIE SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO LONG LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR DITTMAN HARLESS	<u>LIC ASST</u> DIGGS (L) GEARIN (L) GOULBOURNE (L) LEE (L) MAIGRET (L) SERVICE (L) SHEPPARD (E) SMITH (L) TEETS (L) WADE (E) WILLIAMS (E) WILSON (L) S. REED (L)	<u>A/T IND</u> BRAITMAN SALTZMAN B. HURT <u>PLANS</u> MCDONALD DUBE w/Input <u>INFO</u> C. MILES B. KING
---	---	---	--	---

## EXTERNAL DISTRIBUTION

1 - LOCAL PDR HARTVILLE SC	(1) (2) (10) NATIONAL LAB'S	1-PDR-SAN/LA/NY
1 - DTIE (ABERNATHY)	1-ASLBP (E/W Bldg, Rm 529)	1-GERALD LELLOUCHE
1 - NSIC (BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB (YORE/SAYRE/ WOODARD/"H" ST.	1-CONSULTANT'S NEWMARK/BLUME/AGBABIAN	1-AGMED (Ruth Gussman) RM-B-127, GT.
16 - CYS ACRS HOLDING Sent to Lic Asst Teets 2-13-74	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT



Carolina Power & Light Company

January 31, 1974

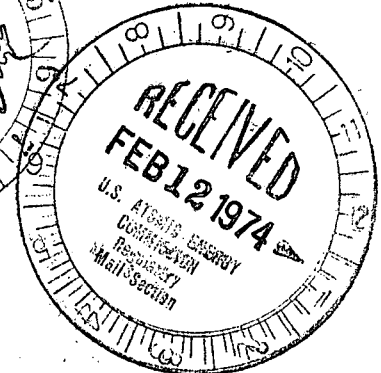
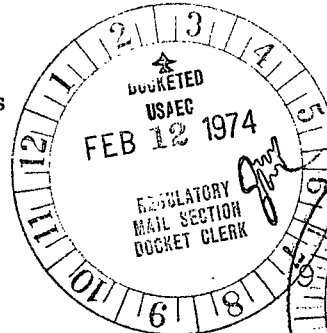
Regulatory

File 50 - 261

File: NG-3514

Serial: NG-74-124

Mr. D. J. Skovholt  
Assistant Director for Operating Reactors  
Directorate of Licensing  
Office of Regulation  
U. S. Atomic Energy Commission  
Washington, D. C. 20036



Dear Mr. Skovholt:

H. B. ROBINSON UNIT NO. 2  
LICENSE DPR-23  
"A" SAFETY INJECTION PUMP MAINTENANCE

We have performed the safety injection pump maintenance proposed by our letters dated September 7 and October 26, 1973. This work was performed under the Interim Limiting Condition For Operation which we received as Attachment A of your letter to Mr. E. E. Utley on November 20, 1973. The pump has been returned to service and the aforementioned interim conditions are no longer applicable.

On November 26, 1973, with the plant in a cold shutdown condition, the "A" Safety Injection Pump was removed from service for inspection and repair as found necessary. On December 2, 1973, at 0832, the plant was heated above cold shutdown and the Interim Limiting Condition For Operation was applied. The "B" and "C" Safety Injection Pumps were checked for operability daily during the entire period in which the "A" pump was out of service. The emergency diesels were test operated prior to beginning maintenance on the pump and weekly during the time the pump was out of service.

The "A" Safety Injection Pump was disassembled and wear measurements were obtained. Wear was noted on the wear rings, but the wear was not excessive. The largest wear area was on the balancing disc and head where .022 inches clearance was measured compared to a design of .010 to .012 inches. Shaft runout readings of .008 inch maximum deflection was measured which is .006 inch larger than desired. The inner snap rings had apparently corroded away.

The on-site replacement shaft was bent due to a handling equipment malfunction before installation. A rush order was placed with Worthington Corporation, and a replacement shaft was received December 28, 1973. This shaft had .005 inch runout, but was installed since it was the best available shaft at that time. The pump internals were reassembled with new balance disc and head, snap rings, inner stage tape, shaft with keys and other normal replacement parts.

Mr. D. J. Skovholt

- 2 -

January 31, 1974

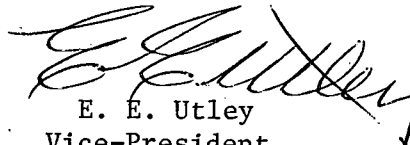
The pump was reassembled on December 29, 1973, and test operated on December 29, 1973, at 1130. This test resulted in a discharge pressure of 1480 psig when operated with minimum recirculating flow compared to 1410 psig observed prior to the maintenance.

Worthington representatives stated that the wear on the balance disc and head was sufficient to reduce the pump performance. The other repairs also improved performance though to a lesser amount.

Performance on the "B" and "C" pumps is satisfactory, but we plan to inspect them during the spring refueling outage. The "A" pump may be inspected again at that time, but this is dependent on replacement parts and pump performance between now and the outage.

All three pumps are presently operating in a manner which will supply adequate injection water in the event of the design accident. Continuing proper operation of these pumps will be demonstrated via the normal monthly periodic test.

Yours very truly,

  
E. E. Utley  
Vice-President  
Bulk Power Supply

CWC:DBW:mvp

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

JAN 30 1974

Docket No. 50-261

Carolina Power & Light Company  
ATTN: Mr. N. B. Bessac, Manager  
Nuclear Generation  
336 Fayetteville Street  
Raleigh, North Carolina 27602

Gentlemen:

We have reviewed the proposed H. B. Robinson, Unit No. 2, Operator Requalification Program submitted on September 19, 1973, the revised requalification program submitted on November 23, 1973 and the supplemental information provided on January 18, 1974. In addition, Mr. John Connelly of your office made the following commitments concerning your January 18, 1974 submittal:

1. A grade of less than 80% on a particular section of the annual comprehensive examination will require an individual to attend a lecture series on that particular section.
2. Upon completion of the classroom lectures a topical examination on that section will be given. A grade of 80% will be considered passing.
3. Administrative Instruction 4.1.6, Shift Operations Readiness, will be considered incorporated within the requalification program and will be used to meet the systematic observation and evaluation requirements of paragraph 4c of Appendix A of 10 CFR Part 55.

Based on our review of the material submitted and the agreements reached with Mr. Connelly, we have determined the program meets the requirements of Section 50.54 (i-1) of 10 CFR Part 50 and Appendix A of 10 CFR Part 55.

JAN 30 1974

- 2 -

The program adequately describes:

1. The lecture series to be administered, including subjects, duration and use of training aids.
2. The specific manipulations of controls to meet the requirements of Section 3a of Appendix A.
3. The methods to be employed to assure individual review of design, procedure and license changes.
4. The methods to be employed to assure individual review of abnormal and emergency procedures.
5. The specific evaluation criteria for determining attendance at a specific lecture, required participation in an accelerated requalification program and other additional training, as applicable.
6. The records to be maintained to document each individual's participation in the program.

Sincerely,

ORIGINAL SIGNED BY  
P. F. COLLINS

Paul F. Collins, Chief  
Operator Licensing Branch  
Directorate of Licensing

cc: G. F. Trowbridge, Esquire  
Shaw, Pittman, Potts,  
Trowbridge & Madden  
910 17th Street, N.W.  
Washington, D. C. 20006

DISTRIBUTION:

PDR SATEets  
Local PDR RJSchemel  
Docket File ACRS (16)  
RP R/F RO (3)  
OLB R/F OGC  
JRBuchanan  
DJSkovholt  
TJCarter  
RWWoodruff  
JJHolman

OFFICE ▶	OLB:L	RP:L	OLB:L	ADSR:L		
SURNAME ▶	JJHolman	RWWoodruff	PFCollins	DJSkovholt		
DATE ▶	1/29/74	1/29/74	1/29/74	1/30/74		