

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 8015

FILE:

FROM: Carolina Power & Light Company Raleigh, N. C. 27602 E. E. Utley			DATE OF DOC 10-26-73	DATE REC'D 11-5-73	LTR X	MEMO	RPT	OTHER
TO: Mr. Schemele			ORIG 3 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-261		
	XXX							
DESCRIPTION: Ltr re their 9-7-73 ltr....furnishing suppl info to proposed waiver of Tech Specs submitted in their 9-7-73 ltr.....				ENCLOSURES: ACKNOWLEDGED Do Not Remove				
PLANT NAME: H. B. Robinson Unit No. 2								

FOR ACTION/INFORMATION

11-5-73

AB

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/ 9 Copies	W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

<u>REG FILE</u>	<u>TECH REVIEW</u>	DENTON	LIC ASST	A/T IND
✓ AEC PDR	HENDRIE	GRIMES		BRAITMAN
✓ OGC, ROOM P-506A	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
MOORE (L) (BWR)	STELLO	<u>ENVIRO</u>	SERVICE (L)	<u>INFO</u>
DEYOUNG(L) (PWR)	HOUSTON	MULLER	SHEPPARD (E)	C. MILES
✓ SKOVHOLT (L)	NOVAK	DICKER	SMITH (L)	
P. COLLINS	ROSS	KNIGHTON	✓ TEETS (L)	
	IPPOLITO	YOUNGBLOOD	WADE (E)	
<u>REG OPR</u>	TEDESCO	REGAN	WILLIAMS (E)	
✓ FILE & REGION(3)	LONG	PROJECT LDR	WILSON (L)	
MORRIS	LAINAS			
STEELE	BENAROYA			
	VOLLMER	HARLESS		

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR Hartville, S. C.	(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/	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
WOODARD/"H" ST.	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
✓ 16 - CYS ACRS HOLDING SENT TO LIC ASST.	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT
S. TEETS ON 11-5-73		



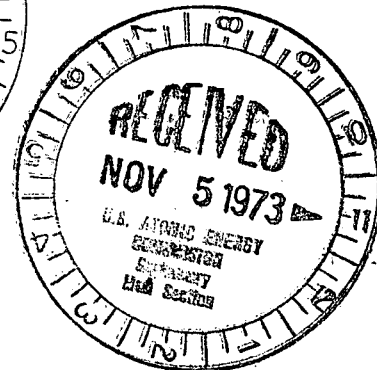
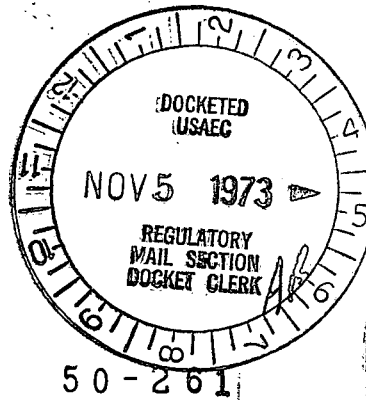
Carolina Power & Light Company

October 26, 1973

File: NG-3514

Serial: NG-73-514

Mr. Robert J. Schemel, Chief
Operating Reactors Branch #1
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545



Dear Mr. Schemel:

H. B. ROBINSON NO. 2

LICENSE DPR-23

SAFETY INJECTION PUMP INSPECTION

A request for permission to remove one safety injection pump from service for greater than 24 hours while operating at power was submitted in our letter of September 7, 1973. The following supplemental information is provided for your consideration in evaluating the proposed waiver of Technical Specification 3.3.1.2. This additional information is addressed to a work sequence of the proposed inspection and details of the safety aspects.

Proposed Safety Injection Pump Inspection

As stated in the previous correspondence, it is proposed to disassemble one pump (Pump A) for inspection with a spare pump rotor available on site for replacement as conditions warrant. It was stated that a minimum of 72 hours would be required for this work. More precisely, it is requested that a waiver of Technical Specification 3.3.1.2 be approved to allow a 72 hour out-of-service period for this pump. This time includes disassembly, inspection, reassembly, and contingency time. Refer to enclosed Table 1 for an inspection sequence. Also included in Table 2 is an estimate of the time required to return a pump to the vendor for inspection. Results of the initial inspection will determine the need for such subsequent action. We will contact you if this is necessary. The exact date of the inspection has not yet been determined, but it is anticipated that it will be accomplished within two weeks of your approval. In any event, it is desired to complete the work before the end of the calendar year. A replacement pump rotor has been located and an on-site inspection made by the vendor. With this preparatory work complete, the next phase is scheduling of the work.

Safety Aspects of Inspection

As stated in the FSAR, with minimum on-site emergency power available (one of two diesel generators) and two of three safety injection pumps serviceable, the safety injection system meets the emergency core

8015

Mr. Robert J. Schemel

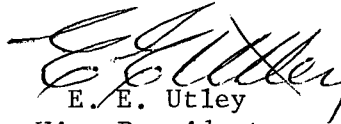
-2-

October 26, 1973

cooling design objectives for all break sizes up to and including double-ended severance of the reactor coolant pipe. Therefore, the removal of one safety injection pump from service for inspection will not defeat the ability of the system to perform its design function. Assurance that the remaining two available safety injection pumps are operable is to be achieved by performance of a pump operational test at the frequency of once each 24 hours. There will also be an operational test performed on the emergency diesel system immediately prior to the inspection to verify the availability of emergency power.

These tests will provide indication of the availability of the system for utilization in the event of an accident and thus assure that the plant safety will not be jeopardized.

Very truly yours,



E. E. Utley
Vice President
Bulk Power Supply

JH:DBW:pjd
Attachments

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

TABLE 1

I. Anticipated Sequence of Inspection and Maintenance

1. Isolate pump from SI System. Drain pump casing and bearing housing. Remove all associate piping.
2. Disconnect coupling. Unbolt casing and lift upper half.
3. Lift out rotor, remove to shop.
4. Inspect pump internals.
5. Move rotor to pump casing. Reinstall upper casing and bolt up.
6. Connect coupling. Perform alignment checks.
7. Reconnect piping. Fill pump casing and lubrication systems.
8. Test run.

II. Possible difficulties that could extend time estimates listed above:

1. Washout between stages - Estimated probability of this is less than 1%. If found, would probably be in last few stages and would require casing, welding, and machining prior to rotor installation. Estimate a minimum of 12 hours additional depending on nature of problem.

III. Total time of inspection - 72 hours.

TABLE 2

ESTIMATE OF PUMP TURNAROUND TIME

1. Remove pump from system and prepare to ship	1 day
2. Ship pump to Worthington Test Facility	1 day
3. Detailed test on pump	2 days
4. Return pump to Robinson Site	1 day
5. Reinstall pump in system	<u>1 day</u>
Total	6 days