

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8302150617 DOC. DATE: 83/02/09 NOTARIZED: NO DOCKET #  
 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261  
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 RECIP. NAME: VARGA, S. A. RECIPIENT AFFILIATION: Operating Reactors Branch 1  
 O'REILLY, J. P. Region 2, Office of Director

SUBJECT: Requests extension of out-of-svc period for B svc water booster pump from 24 h to 48 h. Extension needed to complete repair to pump casing, due to vibration problem. Pump casing will be replaced & pump returned to svc by 830209.

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## NOTES:

RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
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INTERNAL: ELD/HDS1	1 0	NRR/DE/MTEB	1 1
NRR/DL DIR	1 1	NRR/DL/ORAB	1 0
NRR/DSI <del>REG</del> METB	1 1	NRR/DSI/RAB	1 1
REG FILE 04	1 1	RGN2	1 1
EXTERNAL: ACRS 09	6 6	LPDR 03	1 1
NRC PDR 02	1 1	NSIC 05	1 1
NTIS	1 1		



**Carolina Power & Light Company**

H. B. ROBINSON STEAM ELECTRIC PLANT  
POST OFFICE BOX 790  
HARTSVILLE, SOUTH CAROLINA 29550

FEB 09 1983

Robinson File No: 13510

Serial: RSEP/83-202

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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
REQUEST FOR EXTENDED  
MAINTENANCE - "B" SERVICE WATER BOOSTER PUMP

Dear Sirs:

In accordance with Plant Technical Specification 3.3.7, a request to extend the out-of-service period for "B" Service Water Booster Pump from 24 hours to 48 hours is submitted.

At 0630 hours on February 8, 1983, "B" Service Water Booster Pump (SWBP) was removed from service to investigate the cause of high pump vibration. Disassembly of the pump revealed that the pump casing was damaged due to bearing outer race movement. It is believed that this damage is the result of a previous vibration problem and an improper bearing race to pump casing fit. The pump casing is being shipped off-site for repair. It is estimated that this repair effort and re-assembly will result in "B" SWBP being returned to service by 1800 hours, February 9, 1983. Additionally, a replacement pump casing is being procured, and if the current schedule is met, "B" SWBP could be re-assembled with this new casing and returned to service by 1000 hours, February 9, 1983. However, either scenario will result in the 24 hour Limiting Condition for Operation as defined by Technical Specification 3.3.4.2.c being exceeded.

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PDR

*Adol*

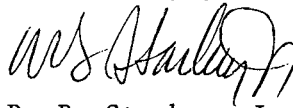
The two Service Water Booster Pumps provide cooling water to the four Containment Fan Coolers. Normal plant operation is with only one of these pumps running. According to the basis for Plant Technical Specification 3.3, either the four Containment Fan Coolers, two Containment Spray Pumps, or a combination of two Containment Fan Coolers and one Containment Spray Pump, must be operable to provide sufficient cooling to reduce containment pressure in the event of a design basis accident. The remaining "A" SWBP is operating normally with no abnormal indications and, thus, is expected to continue operating as required.

While not a nuclear safety concern, H. B. Robinson, Unit No. 2, has experienced, during this cycle, Iodine spiking in the Reactor Coolant System during power level changes due to a suspected minor fuel cladding leak. Also, past experience has shown that thermal cycles aggravate minor Steam Generator primary to secondary leaks. For these reasons, avoiding a plant shutdown for a brief period would prevent an increase in Reactor Coolant System activity and primary to secondary leakage. Also, a plant shutdown would lessen the reliability of Carolina Power and Light's electrical distribution system and require significant amounts of oil-fired replacement generation during the current period of peak system load.

In summary, this requested 24 hour extension of a Limiting Condition for Operation for repairing "B" SWBP will have a negligible effect on plant safety, and a plant shutdown at this time would adversely affect both plant systems and the electrical distribution network. However, in the unlikely event that "A" SWBP should fail prior to completing the repairs on "B" SWBP, H. B. Robinson, Unit No. 2, will initiate an orderly shutdown, and the reactor will be in hot shutdown within four hours and in cold shutdown condition within the following 30 hours.

If you have any questions, please contact my staff or me.

Very truly yours,



R. B. Starkey, Jr.

General Manager

H. B. Robinson SEG Plant

HTC/bss

cc: S. P. Weise