

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9202100186 DOC.DATE: 92/02/04 NOTARIZED: NO DOCKET #  
 FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397  
 AUTH.NAME AUTHOR AFFILIATION  
 SORESENSEN,G.C. Washington Public Power Supply System  
 RECIP.NAME RECIPIENT AFFILIATION

Document Control Branch (Document Control Desk)

SUBJECT: Responds to licensee ltr re performance of acoustic monitors  
 used on facility for safety relief valve position  
 indication.

DISTRIBUTION CODE: A001D COPIES RECEIVED:LTR 1 ENCL 0 SIZE: 2  
 TITLE: OR Submittal: General Distribution

### NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD5 LA	1 1	PD5 PD	1 1
	ENG, P.L.	2 2		
INTERNAL:	ACRS	6 6	NRR/DET/ECMB 7D	1 1
	NRR/DET/ESGB	1 1	NRR/DOEA/OTSB11	1 1
	NRR/DST 8E2	1 1	NRR/DST/SELB 7E	1 1
	NRR/DST/SICB8H7	1 1	NRR/DST/SRXB 8E	1 1
	NUDOCS-ABSTRACT	1 1	OC/LEMB	1 0
	OGC/HDS1	1 0	REG-FILE 01	1 1
	RES/DSIR/EIB	1 1		
EXTERNAL:	NRC PDR	1 1	NSIC	1 1

### NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,  
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION  
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 24 ENCL 22 0

MA4

11-2-44

11-2-44

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • 3000 George Washington Way • Richland, Washington 99352

February 4, 1992  
G02-92-032

9202100186 920204  
PDR ADOCK 05000397  
P PDR

Docket No. 50-397

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

Subject: NUCLEAR PLANT NO. 2, OPERATING LICENSE NPF-21  
ACOUSTIC MONITORS FOR SAFETY RELIEF VALVE POSITION  
INDICATION (TAC NO. M82168)

- References: 1. Letter, BA Boger (NRC) to AL Oxsen (SS), "Repeated Failures of Safety Relief Valve Acoustic Monitors (TAC No. M82168)
2. Letter, G02-90-038, GC Sorensen (SS) to NRC, "Request for Amendment to Technical Specification 3.4.2 (Safety Relief Valves) and Table 3.3.7.5-1 and 4.3.7.5-1 (Accident Monitoring Instrumentation) Under Emergency Circumstances", dated March 2, 1990

This letter responds to Reference 1 regarding the performance of the acoustic monitors used on WNP-2 for safety relief valve (SRV) position indication.

In the 1992 Refueling and Maintenance outage the Supply Systems plans to install safety grade direct position indication on all of the safety relief valves. The sensors will be linear voltage differential transformers (LVDT) that will detect the stem position of the SRVs. Individual "open-closed" position indication derived from the LVDTs will be available on panel P851 (Board S) (see FSAR Figure 13.5-2). In addition, a single LVDT detecting an open SRV will result in an "SRV OPEN" annunciation on front panel, P601.

By February 28, 1992 the Supply System will submit a request for a change to WNP-2 Technical Specifications 3.3.7.5 and 3.4.2 that will allow for either an acoustic monitor or LVDT position indication to provide the position indication currently required of the acoustic monitor.

070046

ADD 1/0

Page Two

ACOUSTIC MONITORS FOR SAFETY RELIEF VALVE POSITION  
INDICATION (TAC NO. M82168)

In Reference 2 we discussed a potential design change that would involve moving the acoustic monitor charge amplifiers outside the primary containment thereby providing accessibility to the amplifiers during power operation. The vendor has a concern that the longer cable lengths will degrade the performance of the acoustic monitors. Before the change can be fully implemented, a few amplifiers would need to be relocated to establish if any degradation in the performance of the amplifiers during power operation is justified by the greater accessibility achieved. With the decision to add the LVDT direct position indication, we have decided to defer an evaluation of this change.

Very truly yours,



G. C. Sorensen, Manager  
Regulatory Programs

AGH/bk

cc: JB Martin - NRC RV  
NS Reynolds - Winston & Strawn  
PL Eng - NRC  
DL Williams - BPA/399  
NRC Site Inspector - 901A