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BOUCHEY,G.D. Washington Public Power Supply System
RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

SUBJECT: Commits to modifying design such taht motor operated valves at standby svc water pumphouse are directly connected to motor control ctr in radwaste bldg per NUREG-0892,SER Outstanding Issue 10.

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Licensing Branch 2
REGIPIENT APPLICATION
Washington Public Power Supply System
APPLICANT

Permits to modifying design such that motor operated valves
at standby SVC water pumphouse are directly connected to
motor control ctr in roomwaste bldg per NUREG-0892,SER
outstanding Issue 19.

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	IE/DEP EPIS 35	1	1	IE/DIP/EPLB 36	3	3
	[illegible]/DE/AEAB	1	0	NRR/DE/CEB 11	1	1
	[illegible]/LF1/EGB 15	6	5	NRR/DL/LOB 28	2	5
	[illegible]/LE/MEB 30	1	1	NRR/DE/MTEB 18	1	1
	[illegible]/DE/MTEB 17	1	1	NRR/DE/AEB 21	1	1
	[illegible]/DE/SAB 24	1	1	NRR/DE/SFH 25	1	1
	[illegible]/HHFB/LOB 22	1	1	NRR/DHFS/LOB 32	1	1
	[illegible]/DL/SSPB	1	0	NRR/DSI/AEB 26	1	1
	[illegible]/DSI/ASB	1	1	NRR/DSI/CPB 10	1	1
	[illegible]/DSI/CSB 09	1	1	NRR/DSI/ICSB 16	1	1
	RR/DSI/RAT TH 12	1	1	NRR/DSI/PSB 19	1	1
	[illegible]/RSB 24	1	1	NRR/DSI/RSB 23	1	1
	[illegible] FILE 04	1	1	RGN5	3	3
	[illegible]/DBA/IAMIB	1	0			
EXTERNAL:	ACRS 41	6	6	BNL (AMDTS ONLY)	1	1
	[illegible]/BS (AMDTS)	1	1	FEMA-REP DIV 39	1	1
	LPDR 03	1	1	NRC PDR 02	1	1
	NSIC 05	1	1	NTIS	1	1

[illegible]

Washington Public Power Supply System
P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

February 23, 1983
G02-83-167

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2
SAFETY EVALUATION REPORT, NUREG-0892,
OUTSTANDING ISSUE (10) STANDBY SERVICE WATER
INSTRUMENTATION AND CONTROL DESIGN, CLOSURE OF

Reference:
(a) Letter, A. Schwencer (NRC) to R.L. Ferguson (SS), "WNP-2 Request for Additional Information", dated June 1, 1982
(b) Letter, G.D. Bouchey to A. Schwencer (NRC), "SER Outstanding Issue 10, Closure Of", dated August 2, 1982
(c) Letter, A. Schwencer (NRC) to R.L. Ferguson (SS), "WNP-2 FSAR - Request for Additional Information", dated January 10, 1983

Reference (a) forwarded Question 031.139 (10 parts) as a result of a meeting between the Supply System and NRC staff.

Reference (b), the Supply System's response to Reference (a), described specific design features of the Standby Service Water (SSW) Systems's Multiplexer. The conclusion was that even though "no specific EMI tests" were performed on the multiplexer, it was not feasible to predict that a single EMI event could affect both the Division I and Division II systems simultaneously. The Supply System contended that the multiplexer design was adequate and that this failure mode was not credible using single failure criterion.

Reference (b) also described manual operation of the SSW system upon multiplexer failure. Although the system could be manually aligned and operated without the multiplexer, the Supply System stated that it did not intend to operate the SSW system without an operable multiplexer because operation in the altered mode could cause pump and or valve motor damage.

B001

With this commitment the Supply System considers Outstanding Issue No. 10 of the WNP-2 SER, NUREG-0892, to be closed.

Very truly yours,

GD Bouchey

G. D. Bouchey
Manager, Nuclear Safety and Regulatory Programs

PLP/jca
Attachment

cc: R Auluck - NRC
WS Chin - BPA
A Toth - NRC Site

ATTACHMENT

The Supply System will modify the design such that the Motor Operated Valves at the SSW Pumphouse are directly connected to the Motor Control Center in the Radwaste Building. This design change:

- Provides a direct electrical connection between the valve limit switch compartments and the motor control center for the following valves: SW-V-2A(B), SW-V-12A(B), SW-V-69A(B), SW-V-70A(B). This change allows the valves to be manually operated from the Control Room independent of the multiplexer.

- Provides a direct electrical connection between SW-PCV-38A(B) and discharge valve SW-V-2A(B) which ensures that the auto open function will operate without the multiplexer.

- Provides a direct electrical connection between SW-V-29 limit switches and the motor control center. This change ensures that this valve can be manually operated from the Control Room without the multiplexer (HPCS Service Water Pump).

- Eliminates the spray pond level trip and interlock (close) to SW-P-1A(B).

The above changes will allow the SSW pumps and valves in the primary flow path to function without the multiplexer. The remaining circuits on the Multiplexer provide the operator with supplementary information from the SSW pumphouse. Examples are spray pond level/temperature, pump discharge pressures, and pump motor/bearing temperatures.