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 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397  
 AUTH. NAME: BONCHEY, G.D. AUTHOR AFFILIATION: Washington Public Power Supply System  
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Transmits results of analysis of remote shutdown sys to close SER open item. Util will perform listed mods during first refueling outage.

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## Washington Public Power Supply System

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

May 14, 1982

G02-82-447

SS-L-02-PLP-82-032

Docket No. 50-397

Mr. 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  
RESPONSE TO SER OPEN ITEM  
ON REMOTE SHUTDOWN SYSTEM

The WNP-2 Safety Evaluation Report (NUREG-0892) listed the Remote Shutdown System I&C design as an open issue stating "the applicant has committed to provide the results of an analysis of the remote shutdown system". This letter transmits the results of that study.

The study demonstrated that alternate means for accomplishing remote plant shutdown from outside the control room could be provided with modifications to existing local equipment as follows:

1. Motor control centers and switch gear for valve and pump operation must be modified to incorporate local control switches and equipment status lights.
2. Local controls for SRV operation must be added. The actuated relief valves chosen are the same as those which presently interface with the remote shutdown panel, but with the redundant division pilot solenoids controlled. Controls for each of the three SRV's would be placed in an existing local enclosure. Local SRV status indication would also be required.
3. Additional instrumentation would have to be added in local enclosures to monitor containment parameters and service water flow. Local indication for reactor water level, reactor pressure, RHR flow and HPCS flow are currently available on existing instrument racks.

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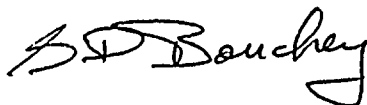
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The above analysis was based on the following assumptions: no control room interaction was considered, no faults exist, the plant is in a normal operating mode, power is available, and all normal valve and pump status remain the same, minimizing the number of local equipment interfaces necessary to accomplish remote shutdown.

The Supply System hereby commits to perform the above modifications during the first refueling outage. The Supply System considers sufficient information has been provided in this response to close out the related SER open issue.

Very truly yours,



G. D. Bouchey  
Deputy Director, Safety and Security

PLP/jca

cc: R Auluck - NRC  
WS Chin - BPA  
R Feil - NRC Site

