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FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
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BOUCHEY,G.D. Washington Public Power Supply System
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SCHWENCER,A. Licensing Branch 2

SUBJECT: Submits info clarifying util 820514 response to request for addl infor remote shutdown sys.

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June 4, 1982
G02-82-505
SS-L-02-PLP-82-036

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
ADDITIONAL INFORMATION REGARDING
THE REMOTE SHUTDOWN SYSTEM

Reference: Letter G02-82-447, G.D. Bouchey (SS) to A. Schwencer (NRC), "Response to SER Open Item on Remote Shutdown System", dated May 14, 1982

The referenced letter provided a discussion of the results of a study demonstrating that alternate means for accomplishing remote plant shutdown from outside the Control Room can be provided for at WNP-2.

The following information, provided during a phone conversation between Messrs. R. Auluck and J. Rosenthal (of your staff); Messrs. R.M. Nelson, R. Green and P.L. Powell (SS); and Mr. G. Brastad (B&R), is provided as clarification of the referenced letter.

The proposed design and location for the Alternate Remote Shutdown System is as follows: (Note: This assumes automatic actuation of HPCS.)

1. Indication and Controls:

- RHR-V-48A-RHR-Heat exchanger bypass valve control
- RHR-V-42A-LPCI injection valve control
- RHR-V-24A-RHR test return line valve control
- RHR-P-2A-RHR pump "A" control
- Suppression pool temperature indication
- Reactor Vessel water level indication
- Reactor Vessel pressure indication
- RHR loop "A" flow indication
- B22-F013A, B22-F013D and B22-F013H-SRV solenoid pilot valve "B" controls

All control switches will be keylocked and procedures are to be developed for administrative control by the Shift Supervisor. The switches are located either on the respective switch gear or in seismically qualified enclosures.

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2. Location:

- Alternate remote shutdown indication and controls will be located in Critical Electrical Switch Gear Room 1 (Div. 1) which is located approximately 30 feet from the Remote Shutdown Room and provided with plant communications.

3. Qualification:

- Alternate remote shutdown indicators and controls will be purchased to Class IE requirements.

4. Electrical Power:

- Alternate remote shutdown will be powered by Class IE power.

5. Heating, Ventilating and Air Conditioning (HVAC)

- Critical Electrical Switch Gear Room 1 (Alternate Remote Shutdown Room) is provided with a single HVAC train that is separate from the main control room.

The existing design for the Remote Shutdown and Alternate Remote Shutdown Rooms is as follows:

1. Panel, Indication and Controls:

- The panel is seismically qualified.
- Indicators are the same as like components qualified for Class IE applications.
- Controls are qualified to Class IE requirements.

2. Heating, Ventilating and Air Conditioning (HVAC):

- The Remote Shutdown Room is provided with redundant HVAC trains separate from the main control room.

3. Electrical Power:

- Remote Shutdown System is powered by Class IE power.

In consideration of the commitments made in the referenced letter and the clarification provided above, the Supply System considers that sufficient information has been provided to close-out the related SER open issue.

Very truly yours,

G D Bouchey

G. D. Bouchey
Deputy Director, Safety and Security

PLP/jca

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