



601 Williams Boulevard • Richland, Washington 99352 • Tel: (509) 943-8200

Subject Work Order 3900-4000  
Washington Public Power Supply System  
Supply System Nuclear Project 2  
10CFR21 Reportable Condition #82-06  
Remote Shutdown Panel  
Responds to: NA

Main Office  
550 Kinderkamack Road  
Oradell, New Jersey 07649  
(201) 265-2000

August 23, 1982  
BRGO-RO-82-006  
Response Required: NA

Mr. R. H. Engelken  
U. S. Nuclear Regulatory Commission  
Region V  
1450 Marla Lane, Suite 210  
Walnut Creek, California 94596

Dear Mr. Engelken:

This letter is to inform you of a condition we have deemed to be reportable under the guidelines set forth in 10CFR21.

The concern is that the remote shutdown panel on Supply System Nuclear Project No. 2 does not meet its design criteria as to negate its safety function. Two specific concerns have been identified. Controls for a valve required to be operable from the panel do not exist on the panel. Also, power to a supervisory panel in the remote shutdown panel originates in the control room. Complete details are contained in the attached evaluation.

If you have any additional questions, please contact either A. I. Luksic (509) 943-8243 or G. W. Brastad (509) 943-8242.

Very truly yours,  
*[Signature]*  
W. G. Conn  
Licensing Group Supervisor

WCC:ATL:jk

Attachment

- cc: B. A. Holmberg - Supply System
- R. T. Johnson - Supply System
- J. G. Tellefson - Supply System
- L. C. Floyd - Supply System
- E. LeBlanc - Bechtel

REMOTE SHUTDOWN PANEL  
(82-06)

Description of Deficiency

GE design criteria (22A3085, Sec. 4.1) states that "the remote shutdown system shall be designed to control the required shutdown systems from outside the control room irrespective of shorts, opens, or grounds in control circuits (in the control room)" which we have committed to the FSAR (Sec. 7.4.1.4.b).

The remote shutdown panel controls loop B of the standby service water (SSW). During a Human Factors Engineering Review, it was discovered that there did not exist any controls on the remote shutdown panel to operate valve SW-PCV-38B. During a subsequent review, it was further discovered that the Supervisory Control Panel CS-2, which controls valves SW-V-2B, SW-V-12B and SW-V-69B, received its power from the control room.

Both of these conditions made the system dependent on the control room which is a violation of the design criteria for the system.

Date and Method of Discovery

The condition that the control for valve SW-PCV-38B was not on the remote shutdown panel was noted during a Human Factors Engineering Review and documented on July 21, 1982 on an Internal memorandum (EMR-02-1143). It was determined to be reportable by Burns and Roe on August 19, 1982.

Analysis of Safety Implication

If the control room is evacuated, and it becomes necessary to bring the reactor to cold shutdown, the spray ponds may not be available. Reactor decay heat would be dumped to the suppression pool which ultimately lead to overpressurization of the primary containment.

Corrective Action

The design of the remote shutdown panel has been reviewed and no other deficiencies have been identified. Control switches for SW-PCV-38B will be located on the remote shutdown panel and power to the supervisory panel will be supplied from outside the control room.

PART 21 REPORT LOG SHEET

1. Subject of Report - Pressure Damage to RHR Pump Pressure  
Switch from Water Control Panel Project - Automatic Depressurization
2. Date Verbal Notification Received - AUGUST 20, Received By - J CLIN
3. Date Information Placed in Daily Report - 8-23-82
4. Name and Address of Person Providing Verbal Notification
  - a) Name - A. LUSIC
  - b) Company and Address - BURNS & ROE  
601 WILLIAMS BLVD BURLINGAME WA 98352
  - c) Telephone No. - 509 943 8200
5. Description of Problem - UPNU PUMP START PRESSURE  
SENSING SWITCH MAY EXPERIENCE WATER HAMMER  
FAILURE of SWITCH WILL PREVENT AUTOMATIC  
DEPRESSURIZATION SO THAT RHR 2 PCS WILL NOT SUBJECT
6. Nuclear Facilities Affected - WNP-2  
DOCKET # 50-397
7. Date 5-day Written Report Due - 8-25 82 Date Received - 8-26-82
8. Mail Written Report to HQ's and Other Affected Regions
  - a) Date Mailed to HQ's (Bill Mills) - \_\_\_\_\_
  - b) Date Mailed to Other Regions - \_\_\_\_\_ Regions Mailed To - \_\_\_\_\_
9. Give Written Report to Each Region V Affected Principal Inspector
  - a) Date Given to Principal Inspector(s) - \_\_\_\_\_
  - b) Name(s) of Inspectors Given To - \_\_\_\_\_
10. Additional Comments - \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_