

50.55(e) Repfot

## Washington Public Power Supply System

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

Docket No. 50-397

April 6, 1983  
G02-83-314

Mr. J. B. Martin  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region V  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

Subject: NUCLEAR PROJECT NO. 2  
REPORTABLE 10CFR50.55(e) CONDITION #246  
BOP BOARD G-2 DESIGN ERROR

Reference: Telecon dated March 15, 1983  
L. C. Floyd to J. Elin

In accordance with the provisions of 10CFR50.55(e), your office was informed, by telephone, of the above potentially reportable condition. Attachment I provides the Project's interim report on the above condition. We will continue to provide your office with quarterly updates until resolved. The next report will be submitted by July 6, 1983.

If you have any questions regarding this subject, please contact Roger Johnson, WNP-2 Project QA Manager, (509) 377-2501, extension 2712.

  
C. S. Carlisle  
Program Director, WNP-2

LCF/jdb

Attachment: As stated

cc: W.S. Chin, BPA - Site  
A. Forrest, Burns and Roe - HAP0  
N.D. Lewis, NRC  
J. Plunkett, NRC  
A. Toth, NRC Resident Inspector - Site  
WNP-2 Files - 917B

1827

## ATTACHMENT I

### WASHINGTON PUBLIC POWER SUPPLY SYSTEM DOCKET NO. 50-397 LICENSE NO. CPPR-93 BOP BOARD G-2 DESIGN ERROR 10CFR50.55(e) CONDITION #246

## INTERIM REPORT

### Description of Deviation

A potentially reportable design error was discovered by the Architect/Engineer Burns and Roe, Inc., while checking elementary drawings for BOP Board G-2. Board G-2 is divided into an essential Div. 2 section and a non-essential, Div. B section. General Electric (Contract 59) vendor drawing the essential instruments are 1 series numbers and the non-essential instruments are 300 series.

When General Electric (Contract 59) designed Board G-2, the IE power supply (Part #299) had a model number specified for it which is a non-IE power supply, and the non-IE power supply (Part #399) has a model number specified for it which is an IE power supply. This was a design error in which the part numbers were reversed for the IE and non-IE parts on the parts list for Board G-2. As a result of this error, all of the division 2 instrument loops powered from this Board G-2 power supply are powered from a non-IE power supply.

### Date of Discovery

February 22, 1983.

### Safety Implication

Board G-2 contains a great number of the safety-related instruments and controls required for operating the Balance of Plant (BOP) of WNP-2. A loss of power to this board would present a significant hazard to the safety of operations of the WNP-2 nuclear facility. One of the many systems which would be affected is Standby Service Water (SSW). Without SSW, WNP-2 cannot be brought to a safe shutdown condition without depending on non-safety systems.

### Corrective Action

Site Electrical has verified that this condition does exist in Board G-2. No similar error exists in Board G-1.

The A/E is to issue a Project Engineering Directive (PED) to switch the power supplies so as to have the appropriate power supply installed in its respective application. Also, the drawing parts lists will be updated to provide the correct part numbers for the IE and non-IE power supplies.