

## 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

602-83-313

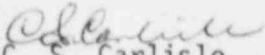
Mr. J. B. Martin  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region V  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

Subject: NUCLEAR PROJECT NO. 2  
REPORTABLE 10CFR50.55(e) CONDITION #243  
MSLIS-37A AND 37C

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 final report on the above condition.

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

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## ATTACHMENT I

WASHINGTON PUBLIC POWER SUPPLY SYSTEM  
NUCLEAR PROJECT NO. 2  
DOCKET NO. 50-397  
LICENSE NO. CPPR-93  
MS-LIS-37A & 37C  
10CFR50.55(e) CONDITION #243  
FINAL REPORT

### Description of Deficiency

Reactor vessel water level indicating switches MS-LIS-37A and MS-LIS-37C, which provide system initiation on low reactor water level for LPCS, RCIC, RHR(A) and ADS(A) were found to be incorrectly wired.

### Safety Implication

Level indicating switches MS-LIS-37A, 37B, 37C and 37D monitor the Reactor vessel level and provide low water level system initiations for Reactor Core Isolation Cooling (RCIC), Automatic Depressurization System (ADS), Low Pressure Core Spray System (LPCS), and Residual Heat Removal System (RHRS).

Two of the four level indicating switches were found to be wired incorrectly (MS-LIS-37A, 37C) during System Line-up Testing (SLT). If this wiring would have been undetected (MS-LIS-37A and MS-LIS-37C, Reactor vessel water level), these switches would prevent operation of the Automatic Depressurization System (ADS) train "A". Also, the level diversity for drywell pressure initiation would be lost for Low Pressure Core Spray (LPCS), Reactor Core Isolation Cooling (RCIC) and Residual Heat Removal (RHR) train "A". However, other than ADS(A), these systems would function in the event of a LOCA due to the diverse initiation from high drywell pressure. Therefore, the wiring error is considered reportable under 10CFR50 Part 21, as a design error by the NSSS vendor.

### Corrective Action

Supply System Startup rewired level switches MS-LIS-37A and MS-LIS-37C to conform to the General Electric design requirements.