

Washington Public Power Supply System

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

October 14, 1981

G02-81-0363

Docket No. 50-397

Mr. R. H. Engelken
U.S. Nuclear Regulatory Commission
Region V
Suite 202, Walnut Creek Plaza
1990 North California Boulevard
Walnut Creek, California 94596

Dear Mr. Engelken:

Subject: SUPPLY SYSTEM NUCLEAR PROJECT NO. 2
10CFR50.55(e) #162 POTENTIALLY REPORTABLE
DEFICIENCY ON FAZ LOGIC

Reference: Letter #G02-81-0225, dated 8-6-81.

The referenced letter related the details of a deficiency concerning the FAZ Logic System. At that time it was thought that the non-testability of this system was potentially a violation of Criterion 21 of 10CFR50 Appendix A, Protection System Reliability and Testability and hence a reportable incident under 10CFR21.

It has been determined that this is not a reportable condition for the following reasons:

1. The FAZ Logic relays, as shown on drawing E519 sheet 33, do not affect safety related equipment.
2. No significant safety hazard would have resulted had this condition not been discovered.

Non-testable relays are in violation of Criterion 21 of 10CFR50 Appendix A, and therefore not in compliance with the commitments of the FSAR. The following provisions are being designed to allow for on-line testability:

1. Reconfiguration of Relay Cabinets RC-1 and RC-2 per task 3870. This reconfiguration would preclude System Loss due to a single component failure (i.e. a fuse failure) and would permit 100% testing capability of FAZ, without actuating essential equipment, under full power operation. This modification of the FAZ Logic would also substantially improve plant availability.



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2. Review of the GE Systems Logic to provide contacts for four (4) channel operation. The Nuclear Steam Supply System (B22H) will be modified to provide four (4) "FA" signals. The process Radiation Monitoring System (D17) will be modified to provide four (4) "Z" signals. The Reactor Protection System (721) will be modified to provide four (4) "SCRAM" signals. These System Revisions have been discussed with GE Site Engineering.
3. Review of all loads presently shed on FAZ Signal to comply with specific Supply System requirements and to ascertain if any loads are improperly classified as non-IE.

This is our final report on this matter. If there are any questions please contact Mr. R. T. Johnson at (509) 377-2501 extension 2712.

Very truly yours,


R. G. Matlock

Program Director, WNP-2

RGM/SLN/kh

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