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 SORENSEN,G.C. Washington Public Power Supply System
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SUBJECT: Submits revised response to SER Question 25 re fire protection.& safe shutdown capability.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • 3000 George Washington Way • Richland, Washington 99352

September 30, 1988
G02-88-209

Docket No. 50-397

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, D.C. 20555

Gentlemen:

Subject: NUCLEAR PLANT NO. 2
 FIRE PROTECTION AND SAFE SHUTDOWN CAPABILITY
 RESPONSE TO SAFETY EVALUATION REPORT
 (REVISED RESPONSE TO QUESTION NO. 25)

Reference: 1) Letter, G02-88-008, GC Sorensen (SS) to
 NRC, same subject, dated January 11, 1988
 2) Letter, G02-88-090, GC Sorensen (SS) to
 NRC, same subject, dated April 15, 1988
 3) NRC Inspection Report No. 50-397/88-16,
 dated July 29, 1988

In NRC Inspection Report 88-16 (Reference 3), item 4.A.(1) (High-Low Pressure Interface Analysis Methodology), the NRC noted that the Supply System's associated circuits analysis methodology would be revised to include NRC staff guidelines for high-low pressure interfaces, and appropriate methods of protection and control would be provided where necessary. The NRC staff also insisted that the Supply System response to NRR Question No. 25 (References 1 and 2) would be revised and resubmitted to the NRC. The purpose of this letter is to complete that action.

Considering the design features provided at WNP-2, as described in References 1 and 2, it remains the Supply System's opinion that it is incredible to assume that three-phase power feeders can reconnect to adjacent sources and cause high-to-low pressure interface valves to inadvertently open during a fire. However, in the interest of resolving this issue, the Supply System has revised the Appendix R Safe Shutdown Methodology to provide protection for such an event.

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Page Two

**FIRE PROTECTION AND SAFETY SHUTDOWN CAPABILITY
RESPONSE TO SAFETY EVALUATION REPORT
(REVISED RESPONSE TO QUESTION NO. 25)**

An analysis has been performed to identify those high-to-low pressure interface valve motor power feeders which require protection against fire related reconnects. The results of the analysis indicated that additional protection (thermolag) was required for the raceway routing circuits to RHR valves V-9 and V-123A and B. Field direction to provide the required additional cable protection was given and thermolagging has been added where required.

This fulfills the actions requested by the NRC in Inspection Report 88-16 on this subject.

Very truly yours,



G. C. Sorensen, Manager
Regulatory Programs

HLA/bk

cc: JB Martin - NRC RV
NS Reynolds - BCP&R
RB Samworth - NRC
DL Williams - BPA/399
NRC Site Inspector - 901A

September 30, 1988

DISTRIBUTION
Docket File
PDR
LPDR
PD 5
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DOCKET NO(S). 50-397

Mr. G. C. Sorensen, Manager
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Washington Public Power Supply System
P. O. Box 968
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Richland, WA 99352

SUBJECT: WASHINGTON PUBLIC POWER SUPPLY SYSTEM - NUCLEAR PROJECT NO. 2

The following documents concerning our review of the subject facility are transmitted for your information.

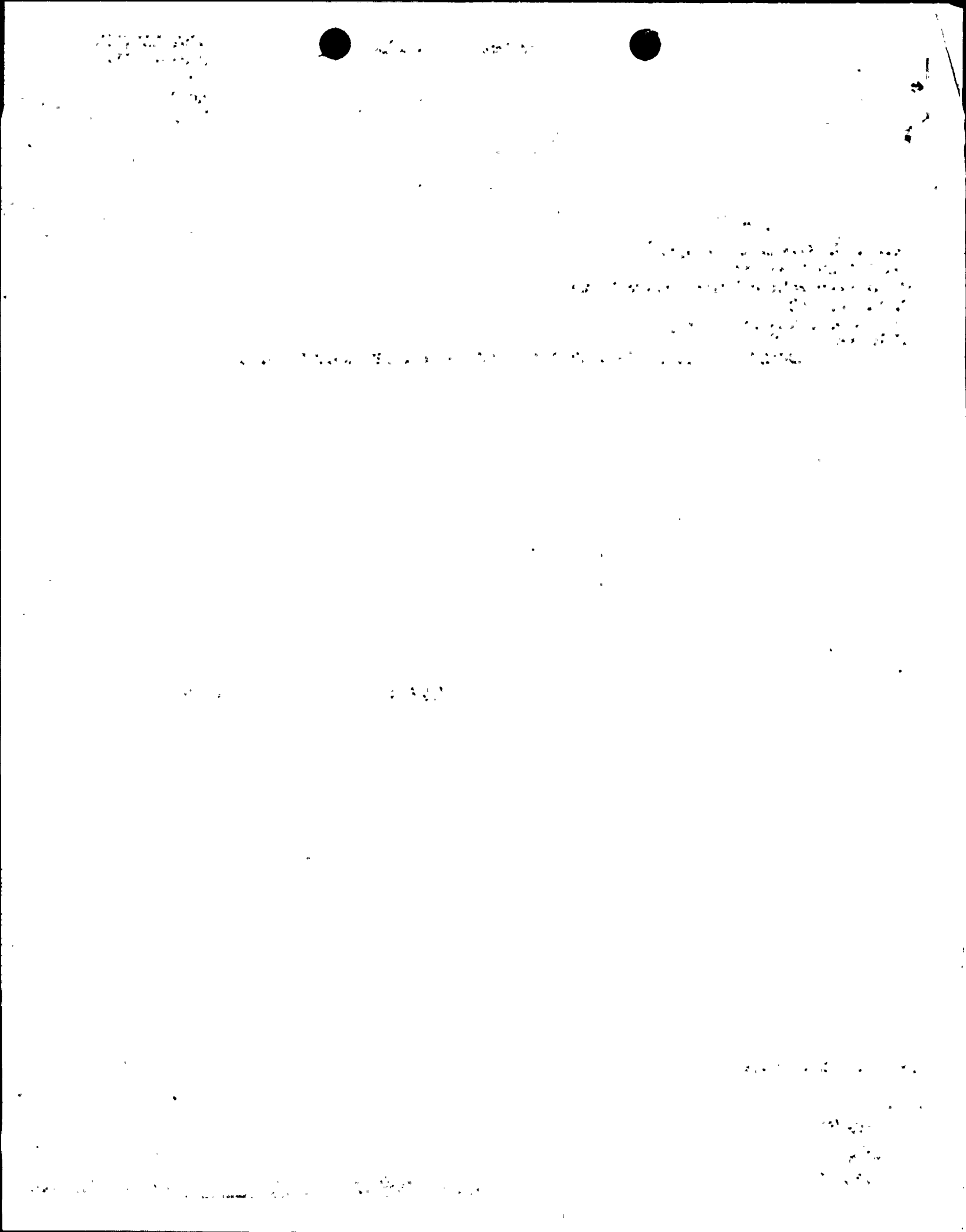
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- ☒ Bi-Weekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Considerations, dated 9/21/88 [see page(s)] 36680.
- ☐ Exemption, dated _____.
- ☐ Construction Permit No. CPPR-_____, Amendment No. _____ dated _____.
- ☐ Facility Operating License No. _____, Amendment No. _____ dated _____.
- ☐ Order Extending Construction Completion Date, dated _____.
- ☐ Monthly Operating Report for _____ transmitted by letter dated _____.
- ☐ Annual/Semi-Annual Report- _____
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Office of Nuclear Reactor Regulation

Enclosures:
As stated

CC: See next page

OFFICE	DRSP/PD5						
SURNAME	JLee						
DATE	9/30/88						





UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

September 30, 1988

DOCKET NO(S). 50-397

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P. O. Box 968
3000 George Washington Way
Richland, WA 99352

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Office of Nuclear Reactor Regulation

Enclosures:
As stated

CC: See next page

Mr. G. C. Sorensen, Manager
Washington Public Power Supply System

WPPSS Nuclear Project No. 2
(WNP-2)

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