

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Power 05000397
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 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Forwards revised justification for equipment that will not be seismically qualified by fuel load, revising 831205 ltr commitments.

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Washington Public Power Supply System

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December 13, 1983
G02-83-1157

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2
EQUIPMENT SEISMIC QUALIFICATION

Reference: G02-83-1023, G. C. Sorensen to A. Schwencer, subject as
above, dated November 4, 1983

Attached find a revised justification for equipment that will not be
seismically qualified by fuel load. This revises completely our
letter (G02-83-1116) of December 5, 1983.

You will note that you have already considered this equipment in
the Environmental Justification for Interim Operation.

Very truly yours,



G. C. Sorensen, Manager
Regulatory Programs

GCS:JER:st

Attachment

cc: R. Auluck, NRC
W. S. Chin, BPA
A. Toth, NRC Site

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5.0 JUSTIFICATION FOR INTERIM OPERATION

Alternate cooling water is provided to FPC-HX-1A through valves SW-V-187A and SW-V-188A. Although fuel pool cooling is not required until the first refueling outage, the valves must remain closed in the interim so that operation of the Standby Service Water System would not be degraded. The motor operators will be qualified prior to the first refueling outage.

Currently the motor operators and valves are fully qualified except for the motors. Review of the construction of the operator and limiter torque test data on operators with similar motors identifies no failure mode of the motor that would cause the operator to open the valve or cause failure of the valve. The motors will be kept de-energized until fully qualified.

6.0 CONCLUSION

Interim operation is justified on the following basis:

1. SW-MO-187A,B and 188A,B are not required to operate post-accident since fuel pool cooling is not needed prior to the first refueling outage.
2. There is no failure mode of the motor that would cause SW-MO-187A,B and 188A, B to open their associated valves to an undesirable position or cause failure of the valves.

EQUIPMENT JUSTIFICATION JIO-S-10A

1.0 COMPONENT IDENTIFICATION

EPN: SW-M-187A, 188A, 187B, 188B
SW-MO-187A, 188A, 187B, 188B

Description: Standby Service Water System Valve Motor

Component Type: Motor

Manufacturer/Model: Limitorque Corp./SMB-00

2.0 ACCIDENT CONDITIONS

	<u>Temperature</u>	<u>Relative Humidity</u>	Rev. 2
Accident Profile:	#4	#21X	
Use Code:	1		
Operability Time:	4320 Hours		
Radiation Zone:	R548L		
Zone Dose:	1.5×10^5 Rads		

3.0 COMPONENT SAFETY FUNCTION

SW-MO-187A and 188A provide alternate cooling to the Fuel Pool Cooling (FPC) System heat exchangers under abnormal plant conditions when the Reactor Building Closed Cooling Water (RCC) System is unavailable. SW-MO-187A and 188A open valves SW-V-187A and 188A to provide Standby Service Water (SW) System cooling to FPC-HX-1A. The series B EPNs provide the same function on the redundant FPC-HX-1B heat exchanger.

4.0 QUALIFICATION STATUS

4.1 Summary of Qualification Status

The motor operators were purchased qualified; however, unqualified motors were inadvertently used. The vendor is scheduled to provide qualified replacement motors. The following justification for interim operation is provided in the event that the motor operators are not replaced prior to fuel load.

4.2 Parameters Requiring Justification

Temperature, pressure, humidity and radiation dose.

