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AUTH. NAME AUTHOR AFFILIATION
SORENSEN, G. C. Washington Public Power Supply System
RECIP. NAME RECIPIENT AFFILIATION
ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Clarifies 860321 application for amend to License NPF-21, changing Tech Specs re ultimate heat sink. Tech Spec change enables use of each individual pand while other pond drained & undergoing insp & repair.

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AUTH. NAME AUTHOR AFFILIATION
SORENSEN, G. Washington Public Power Supply System
RECIP. NAME RECIPIENT AFFILIATION
ADERSAM, E. O. BWR Project Directorate 3

SUBJECT: Clarifies 860321 application for amend to Oper Lic NPF-21, changing Tech Specs re ultimate heat sink. Tech spec changes establish use of each individual pond while other pond is being & undergoing insp & repairs.

DISTRIBUTION CODE: A001D COPIES RECEIVED:LTR ENCL SIZE:
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| | BWR RSB | | 1 | 1 | BWR REG | | 1 | 1 |
| INTERNAL: | ACRS | 09 | 6 | 6 | ADM/LFMB | | 1 | 0 |
| | ELD/HDS1 | | 1 | 0 | NRR/DHFT/TSCR | | 1 | 1 |
| | NRR/DEST | | 1 | 0 | REG FILE | 04 | 1 | 1 |
| | RGN5 | | 1 | 1 | | | | |
| EXTERNAL: | 24X | | 1 | 1 | ACRS BRUSKE,S | | 1 | 1 |
| | LPDR | 03 | 1 | 1 | NSIC PDR | 02 | 1 | 1 |
| | NSIC | 05 | 1 | 1 | | | | |

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Docket No. 50-397

March 31, 1986
G02-86-287

Director of Nuclear Reactor Regulation
Attn: E. G. Adensam, Project Director
BWR Project Directorate No. 3
Division of BWR Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

Subject: NUCLEAR PLANT NO. 2
OPERATING LICENSE NPF-21, REQUEST FOR AMENDMENT
TO TECHNICAL SPECIFICATIONS, CLARIFICATION

Reference: Letter, G02-86-243, G. C. Sorensen (SS) to E. G. Adensam (NRC), "Request for Amendment to License - (Ultimate Heat Sink)," dated March 21, 1986

The reference letter requested certain changes to the WNP-2 Technical Specifications. The following is forwarded in order to expedite Staff review of the referenced request:

Date of Amendment Request: March 21, 1986
Description of Amendment Request (abstract): this proposed amendment, if approved will modify the WNP-2 Technical Specifications by permitting the two spray ponds that comprise the ultimate heat sink to be used individually for dissipation of decay heat during the refueling operational mode. The proposed changes would be made to the Ultimate Heat Sink portions of the Technical Specifications, Section 3.7.1.3.

Following a seismic event, the Service Water (SW) system relies on the spray ponds which are the Ultimate Heat Sink (UHS) for dissipation of the heat loads associated with safety related systems. The piping associated with the spray headers in the ponds is supported by steel structures attached to the concrete bottom and side walls of the ponds. Periodic inspection and repair of these structures and coating materials is needed due to corrosion and coating failure. In order to perform inspections and repairs that are expected during the life of the plant, especially coating work, a provision of the Technical Specifications is needed to enable use of each pond individually while the other pond is drained and undergoing inspection and repair.



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The present design of the SW system uses both spray ponds for the operation of each of the two SW divisions. As presently designed, the flow path for the cooling water is from one pond to the plant and back to the other pond. The water then returns to the pond from which suction was taken via a siphon between the ponds. In order to drain one pond while maintaining service with the other, it is proposed to install a cross connection between the two return headers and to block the siphon thus allowing cooling water to return to the same pond from which suction was taken. The cross connection and the siphon block would be installed only while the plant is in the refueling mode (operational condition "star"), as draining of one pond will necessitate declaring one division inoperable.

Basis for no significant hazards consideration determination (abstract): The NRC Staff has provided standards for determining whether a significant hazards consideration exists (10 CFR 50.92(c)). A proposed amendment to an operating license for a facility involves no significant hazards consideration if operation of the facility in accordance with the proposed amendment would not: (1) involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) create the possibility of a new or different kind of accident from an accident previously evaluated; or (3) involve a significant reduction in a margin of safety.

The Supply System has determined that the requested amendment per 10 CFR 50.92 does not: (1) involve a significant increase in the probability or consequences of an accident previously evaluated because the Design Basis Accident (DBA) LOCA, which is the basis for the design of the UHS system, cannot occur with the vessel head removed; or (2) Create the possibility of a new or different kind of accident from an accident previously evaluated because a seismic event is the only credible event that will require dependence on the UHS and analysis shows that the capability of a single pond to provide critical plant system cooling following a seismic event is sufficient for at least 22 days allowing adequate time to provide any additional make up water required for long term cooling; or (3) involve a significant reduction in a margin of safety because the proposed change would actually improve the margin of safety during refueling by allowing use of a single pond and associated safety related systems under circumstances that otherwise would require rendering the entire UHS system inoperable.

Should you have any further questions, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,

G. C. Sorensen, Manager
Regulatory Programs

PLP/tmh

cc: JO Bradfute - NRC
C Eschels - EFSEC
JB Martin - NRC RV
E Revell - BPA
NS Reynolds - BLCP&R
NRC Site Inspector