

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8403130318 DOC. DATE: 84/03/09 NOTARIZED: YES DOCKET #  
 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Power 05000397  
 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System  
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Application for amend to License NPF-21, consisting of listed administrative & technical Tech Spec changes. No significant hazards or unreviewed safety questions will result from changes.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5+20  
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

## NOTES:

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
NRR/DL/ADL	1 0	NRR LB2 BC	1 0
NRR LB2 LA	1 0	AULUCK, R. 01	1 1
INTERNAL: ELD/HDS2	1 0	IE FILE	1 1
IE/DEPER/EPB 36	3 3	IE/DEPER/IRB 35	1 1
IE/DQASIP/QAB21	1 1	NRR/DE/AEAB	1 0
NRR/DE/CEB 11	1 1	NRR/DE/EHEB	1 1
NRR/DE/eqB 13	2 2	NRR/DE/GB 28	2 2
NRR/DE/MEB 18	1 1	NRR/DE/MTEB 17	1 1
NRR/DE/SAB 24	1 1	NRR/DE/SGEB 25	1 1
NRR/DHFS/HFEB40	1 1	NRR/DHFS/LQB 32	1 1
NRR/DHFS/PSRB	1 1	NRR/DL/SSPB	1 0
NRR/DSI/AEB 26	1 1	NRR/DSI/ASB	1 1
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NRR/DSI/ICSB 16	1 1	NRR/DSI/METB 12	1 1
NRR/DSI/PSB 19	1 1	NRR/DSI/RAB 22	1 1
NRR/DSI/RSB 23	1 1	REG FILE 04	1 1
RGN5	3 3	RM/DDAMI/MIB	1 0
EXTERNAL: ACRS 41	6 6	BNL (AMDTS ONLY)	1 1
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## Washington Public Power Supply System

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

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March 9, 1948  
G02-84-126

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 PLANT NO. 2  
OPERATING LICENSE NPF-21,  
REQUEST FOR AMENDMENT

- References:
- 1) Federal Register (FR), April 6, 1983, pages 14864-14880, "Standards for Determining Whether License Amendments Involve No Significant Hazards Considerations"
  - 2) Letter G02-83-834, G. C. Sorensen (SS) to A. Schwencer (NRC), "Deletion of Residual Heat Removal Steam Condensing Mode", dated September 15, 1983

In accordance with the Code of Federal Regulations, Title 10, Parts 50.90 and 2.101, Washington Public Power Supply System (WPPSS) hereby requests revisions to the Technical Specifications, Appendix A to the subject license.

The Supply System has reviewed the technical specification changes enclosed per 10 CFR 50.59 and 50.92 and considers that no significant hazards or unreviewed safety questions will result from the changes. A 50.92 analyses is provided for each technical specification change. The appropriate example amendment that is considered not likely to involve significant hazards (as listed in FR 14870, Reference 1) is cited where applicable.

The proposed changes will 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 any accident previously evaluated; or
- 3) involve a significant reduction in a margin of safety.

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Enclosed are revised WNP-2 technical specification pages 3/4 3-80, 3-81, and 7-21; 3/4 3-88; 3/4 5-5; 3/4 6-43; 3/4 8-20, 8-23 and 8-24; 3/4 8-26 and 8-27; and 6-3, 6-4, 6-8, 6-9, 6-10, 6-11, 6-13, 6-14, and 6-16:

o Pages 3/4 3-80, 3-81, and 7-21

There are three minor changes to Table 3.3.7.9-1. Page 3-80 and 3-81 are word processing column misalignment errors. In addition, on page 3-81 there are two additional thermal detectors added in the control room. Page 7-21, item 4 is another area in the Radwaste Building where the pre-action and deluge spray and sprinkler system will be operable.

These changes do not constitute a significant hazard and parallel FR 14870. Examples (i) and (ii) are cited: error correction and addition of more stringent requirements.

o Page 3/4 3-88

Technical Specification Table 4.3.7.11-1 requires a Channel Functional Test be performed quarterly which meets the requirements of Table Notation (1). This includes, among other tests, a verification of isolation and annunciation on "High voltage abnormally low". This requirement should be deleted on the basis that testing this function will cause malfunctioning of the radiation detector in the system. General Electric provides a process radiation monitor which has no test point to monitor high voltage. It is necessary to disconnect the high voltage connector at the drawer or preamplifier. Doing this can result in shocking the detector into failure when the connector is reconnected to the drawer. The "High voltage abnormally low" is checked during the Channel Calibration.

This change does not involve significant hazards considerations because present testing involves a compromise of the safe operation of another component in the system and also exposes the operator to an electrical hazard. The condition "High voltage abnormally low" is tested in the Channel Calibration procedure, and therefore there is no safety margin impact due to the deletion.

o Page 3/4 5-5

The 3(c) initiation setpoint of  $140 \pm 3$  psig on decreasing pressure and alarm setpoint of  $135 \pm 3$  psig on decreasing pressure should be revised to read:

initiation setpoint of  $\geq 140$  psig  
and alarm setpoint of  $\geq 135$  psig

These changes conform to format of setpoints in the Technical Specifications and are more conservative. This change does not involve significant hazards considerations. It is purely administrative to achieve consistency throughout the technical specifications. Example (i) Reference 1, p. 14870 is cited as applicable to this change.



o Page 3/4 6-43

As noted in the FSAR, p. 6.2-74, the inlet temperature to the recombiner catalyst bed must be approximately 500°F to prevent degradation from halogens. The recombiner consists of electric heaters directly above the catalyst bed, both of which are contained in a pressure vessel. Hence, heater outlet temperature and catalyst bed inlet temperature are one and the same. The system is designed with a temperature element at the exit to the heater to provide for monitoring this parameter. As currently written, the technical specification requires monitoring the wrong point in the system. It should be corrected to reflect the design basis point of concern (i.e. heater outlet temperature). The WNP-2 surveillance procedure for this item does monitor the correct point.

This technical specification change does not involve significant hazards considerations. The Reference 1, p. 14870 example (i) is cited to confirm this position. The change is purely administrative resulting from a typographical error.

o Pages 3/4 8-20, 8-23, and 8-24

Primary and backup protection for electrical penetration assemblies have been reviewed and changes made to optimize this protection. Backup fuses have been added to better protect these penetrations. Some primary protection fuse sizes have been changed to better coordinate with the backup fusing. The Supply System feels this will improve the penetration protection. Table 3.8.4.2-1 has been reviewed and updated to reflect the above design changes. Additionally, the entries for MT-HOI-18 and MT-HOI-19C have been deleted as this equipment is not operated during conditions 1, 2, and 3. Page 3/4 8-20 has been updated to reflect the deletion of MT-HOI-18 and 19C.

No significant hazards are involved with this change. Example (ii) p. 14870 Reference 1, is applicable here in that the change constitutes an additional control or improvement.

o Pages 3/4 8-26 and 8-27

Reference 2 notified the staff that the RHR Steam Condensing Mode of operation was being deactivated. The technical specification changes to Table 3.8.4.3-1 reflect the steam condensing mode deactivation by deletion of the valves associated with that mode. As discussed in Reference 2, no credit is taken in the WNP-2 FSAR Chapter 15 Accident Analysis for this mode of operation and deactivation presents no obstacle to the safe operation of WNP-2. Amendment 33 to the WNP-2 FSAR incorporated the deletion of this mode of operation. Additionally deleted from Table 3.8.4.3-1 are valves RRC-V-67A and 67B. These valves are non-1E valves and were listed in error. Also deleted is RCIC-V-12 as it is a manually operated valve with no motor operation.

The changes do not involve any significant hazards considerations. Example (i) p. 14870, Reference 1 is cited as justification. The changes result as an attempt to achieve consistency between the technical specification, Amendment 33 to the WNP-2 FSAR, and the present Supply System position as stated in Reference 1.





A. Schwencer  
Page Four

o Pages 6-3, 6-4, 6-8, 6-9, 6-10, 6-11, 6-13, 6-14, and 6-16

Routine organizational changes (as desired by the Supply System Managing Director). This is purely an administrative change and does not involve a significant hazard consideration, Reference 1, p. 14870.

The Supply System has evaluated this request in accordance with the criteria in 10 CFR 170.22 and has determined this request to be a Class II request involving several administrative changes of the Class II type. Accordingly, a check for One thousand two hundred dollars (\$1,200) is enclosed in payment for this license amendment.

In accordance with 10 CFR 50.91, the State of Washington has been provided a copy of this letter. Should you have any questions, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,



G. C. Sorensen, Manager  
Regulatory Programs

BDP/SIS/tmh  
Attachments

cc: R Auluck - NRC  
WS Chin - BPA  
D Hoffman - NRC  
N Lewis - EFSEC  
AD Toth - NRC Site

THE UNIVERSITY OF CHICAGO

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CHICAGO, ILL.

STATE OF WASHINGTON )  
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County of Benton )

Subject: WNP-2 Operating License NPF-21  
Request for Amendment

I, G. C. SORENSEN, being duly sworn, subscribe to and say that I am the Manager, Regulatory Programs, for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that I have full authority to execute this oath; that I have reviewed the foregoing; and that to the best of my knowledge, information and belief the statements made in it are true.

DATE 6 MARCH, 1984

G. C. Sorensen  
G. C. Sorensen, Manager  
Regulatory Programs

On this day personally appeared before me G. C. SORENSEN to me known to be the individual who executed the foregoing instrument and acknowledge that he signed the same as his free act and deed for the uses and purposes therein mentioned.

GIVEN under my hand and seal this 6th day of March, 1984.

Nichie F. Hammack  
Notary Public in and for the  
State of Washington

Residing at Kennewick

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