

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8408270073 DOC. DATE: 84/08/15 NOTARIZED: NO DOCKET #  
 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397  
 AUTH. NAME AUTHOR AFFILIATION  
 SORESENSEN, G.C. Washington Public Power Supply System  
 RECIP. NAME RECIPIENT AFFILIATION  
 SCHWENGER, A. Licensing Branch 2

SUBJECT: Application to amend License NPF-21, revising Condition:  
 2.C(11) re shield wall deferral. Change would allow ongoing  
 ALARA reviews to identify need for addl shielding.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5  
 TITLE: OR Submittal: General Distribution

NOTES: 05000397  
 OL: 12/20/83

	RECIPIENT ID CODE/NAME		COPIES LTTR ENCL		RECIPIENT ID CODE/NAME		COPIES LTTR ENCL
	NRR LB2 BC 01		7 7				
INTERNAL:	ADM-LFMB		1 0		ELD/HDS2		1 0
	NRR/DE/MTEB		1 1		NRR/DL DIR		1 1
	NRR/DL/ORAB		1 0		NRR/DSI/METB		1 1
	NRR/DSI/RAB		1 1		REG FILE	04	1 1
	RGN5		1 1				
EXTERNAL:	ACRS 09		6 6		LPDR 03		1 1
	NRC PDR 02		1 1		NSIC 05		1 1
	NTIS		1 1				

Rec'd w/check 150.00

1. The first part of the document is a letter from the Director of the Central Intelligence Agency to the President of the United States. The letter is dated 11/17/56 and is addressed to the President. The letter discusses the results of a recent meeting with the British Prime Minister, Sir Winston Churchill, and the importance of maintaining close relations with the United Kingdom.

2. The second part of the document is a memorandum from the Director of the Central Intelligence Agency to the President. The memorandum is dated 11/17/56 and is addressed to the President. The memorandum discusses the results of a recent meeting with the British Prime Minister, Sir Winston Churchill, and the importance of maintaining close relations with the United Kingdom.

3. The third part of the document is a memorandum from the Director of the Central Intelligence Agency to the President. The memorandum is dated 11/17/56 and is addressed to the President. The memorandum discusses the results of a recent meeting with the British Prime Minister, Sir Winston Churchill, and the importance of maintaining close relations with the United Kingdom.

4. The fourth part of the document is a memorandum from the Director of the Central Intelligence Agency to the President. The memorandum is dated 11/17/56 and is addressed to the President. The memorandum discusses the results of a recent meeting with the British Prime Minister, Sir Winston Churchill, and the importance of maintaining close relations with the United Kingdom.

DATE	TIME	PLACE	SUBJECT
11/17/56	10:00 AM	London	Meeting with Sir Winston Churchill
11/17/56	11:00 AM	London	Meeting with Sir Winston Churchill
11/17/56	12:00 PM	London	Meeting with Sir Winston Churchill
11/17/56	1:00 PM	London	Meeting with Sir Winston Churchill
11/17/56	2:00 PM	London	Meeting with Sir Winston Churchill

## Washington Public Power Supply System

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

August 15, 1984  
G02-84-456

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  
TO LICENSING CONDITION 2.C(11), SHIELD WALL DEFERRAL

References: 1) Letter, G02-83-391, G. D. Bouchey (SS) to A. Schwencer  
(NRC), same subject, dated April 27, 1983  
2) Letter, G02-83-263, G. D. Bouchey (SS) to A. Schwencer  
(NRC), same subject, dated March 28, 1983

In accordance with the Code of Federal Regulations, Title 10, Parts 50.90 and 2.101, the Supply System hereby requests an amendment to the subject licensing condition. It is requested that licensing condition 2.C.(11) be amended to read as follows:

"The Licensee shall complete construction of the deferred shield walls and window as identified in Attachment 3 to this license as dictated by ongoing ALARA reviews identifying the need for additional shielding."

An update to Attachment 3 is also included, and is a part of this request. These deferrals have previously received an ALARA review by the WNP-2 health physics staff, and were judged to have no appreciable effect on personnel exposures. Since the specific term of deferral is not known at this time, the subject shield walls and window will be installed either before the associated system is utilized or when an ALARA review identifies the need for additional shielding.

8408270073 840815  
PDR ADDCK 05000397  
P PDR

Rec'd w/check \$150.00

Acc'd  
1/1

Radiation levels in the affected areas will be monitored during the Power Ascension Test Program in order to establish a base case. These areas will then be routinely monitored during commercial operation in accordance with appropriate procedures with periodic ALARA reviews performed to ensure personnel exposures are minimized. ALARA reviews will also be initiated per approved plant procedures upon significant radiation level increases.

The reasons for construction deferral previously identified in the above references remain valid at this point in the Supply System plant program. We wish to emphasize that these deferrals will have no effect on personnel safety, either on or off site. The current status of each item is as follows.

1. FSAR Figure 12.3-32, Zone H-9, 437' El.

The partial height wall outside the spent resin tank will be installed. The spent resin tank is currently in use although high radiation levels are not expected for some time. Thus, wall installation will occur before high radiation levels are experienced in the spent resin tank.

2. FSAR Figure 12.3-26, Zone G-12, 441' El.

Installation of the block shield wall for condenser tube access is still deferred. A locked gate will be used instead to control entry to the high radiation zone. An ALARA review has shown that principal radiation sources are not in line of sight with this doorway. This has been confirmed by radiation surveys during startup. Radiation surveys will continue during startup and after reaching commercial operation and a re-evaluation will be made if high radiation levels are detected.

3. FSAR Figure 12.3-27, Zone D-11, 441' El.

Same as above, at the other end of the condenser.

4. FSAR Figure 12.3-34, Zone H-8, 487' El.

The access blockout to the spare demineralizer cubicle is being installed. The cubicle is currently not in use, but radiation levels of 15-20 mr/hr have been detected due to an RWCU line which passes through the cubicle.

5. FSAR Figure 12.3-33, Zone G-9, 467' El.

The partial blockout wall to the centrifuge room continues to be deferred because current plans do not include use of this centrifuge. Need for the wall will be re-evaluated prior to use of the centrifuge (G11-D094A).



6. FSAR Figure 12.3-33, Zone F-9, 467' E1.

Same as above for the G11-D094B centrifuge. Radiation levels of 45 mr/hr have been detected due to an EDR line in this room which is used for transfer to the resin tanks. Access to this room is being administratively controlled. This control provides adequate personnel radiation protection since no line of sight exists between the EDR line and personnel on the other side of the existing partial shield wall.

7. FSAR Figure 12.3-34, Zone J-5, 467' E1.

The blackout shield wall for one decon concentrator is still deferred. Use of the idle decon concentrator is deferred. When the concentrator is placed in service, the need for the blackout shield wall will be re-evaluated. The shield wall shown on Zone H-5 is installed.

8. FSAR Figure 12.3-32, Zone D-8, 437' E1.

The two block shield walls at the north end of the truck loading bay are still deferred. An ALARA review of this area has concluded that the block shield walls are not needed at this time because we are not using the container filling and capping station in the WNP-2 permanent solidification system. This system has been deferred.

9. FSAR Figure 12.3-32, Zone E-8, 437' E1.

The installation of the leaded glass viewing window is deferred. A re-evaluation of the installation of the window will occur prior to utilization of the Supply System solid radwaste processing system which has been deferred.

The Supply System has reviewed the requested amendment per 10 CFR 50.59 and 50.92 and has determined that no significant hazard or unreviewed safety question will result. Further, the proposed change 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.

A. Schwencer  
Page Four  
August 15, 1984  
SHIELD WALL DEFERRAL

The Supply System has evaluated this request in accordance with the criteria in 10 CFR 170.21, and has included a warrant for one hundred fifty dollars (\$150.00) as initial payment for this application for amendment under Facility Category A (Power Reactors).

In accordance with 10 CFR 50.91, the State of Washington has been provided a copy of this letter.

No FSAR revisions on this subject are planned since these are still considered to be temporary deferrals. Should you have any questions in this matter, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,



G. C. Sorensen, Manager  
Regulatory Programs

LDS/tmh  
Attachments (2)

cc: R Auluck - NRC  
WS Chin - BPA  
N Lewis - EFSEC  
AD Toth - NRC Site  
JB Martin - Region V

### ATTACHMENT 3

#### LIST OF SHIELD WALLS

- \* 1. FSAR Figure 12.3-32, Zone H-9 - The partial height wall outside the spent resin tank room.
2. FSAR Figure 12.3-26, Zone G-12 - The tube access wall to the main condenser.
- \*\*3. FSAR Figure 12.3-27, Zone D-11 - Same as above, only other end of condenser.
- \* 4. FSAR Figure 12.3-34, Zone H-8 - The access blockout to the spare demineralizer cubicle.  
\*\*
5. FSAR Figure 12.3-33, Zone G-9 - Same as above for the duplicate centrifuge room.
6. FSAR Figure 12.3-33, Zone F-9 - Same as above for the duplicate centrifuge.
7. FSAR Figure 12.3-34, Zone J-5 - The blockout for one of the two decon concentrators.
8. FSAR Figure 12.3-32, Zone D-8 - The two block walls at the north end of the truck loading bay.
9. FSAR Figure 12.3-32, Zone E-8 - The leaded glass viewing window in the radwaste area.

\* Items 1 and 4 will be installed prior to one year after the issuance of the WNP-2 Operating License.

\*\*Items 3 and 4 were incorrectly listed in the license (see original Attachment 3 to NPF-21). G02-83-263 of March 28, 1983 listed items 3 and 4 as shown. The attachment to the license omitted item 4 and transposed the description of item 4 with that of item 3.



