

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8604150310 DOC. DATE: 86/04/08 NOTARIZED: YES 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
 BWR Project Directorate 3

SUBJECT: Application for amend to License NPF-21, changing Tech Specs
 delete chlorine detection sys due to permanent plant change
 removing chlorine gas storage from immediate site area. Fee
 paid.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4+6
 TITLE: OR Submittal: General Distribution

NOTES:

RECIPIENT		COPIES		RECIPIENT		COPIES	
ID	CODE/NAME	LTTR	ENCL	ID	CODE/NAME	LTTR	ENCL
BWR	ADTS	1	0	BWR	EB	1	1
BWR	EICSB	2	2	BWR	FOB	1	1
BWR	PD3 PD 01	5	5	BRADFUTE, J		1	1
BWR	PSB	1	1	BWR	RSB	1	1
INTERNAL:	ACRS 09	6	6	ADM/LFMB		1	0
	ELD/HDS2	1	0	NRR/DHET/TSCB		1	1
	NRR/ORAS	1	0	<u>REG FILE</u> 04		1	1
	RGN5	1	1				
EXTERNAL:	24X	1	1	EG&G BRUSKE, S		1	1
	LPDR 03	1	1	NRC PDR 02		1	1
	NSIC 05	1	1				

w/cheer \$150.00
 #4964

TOTAL NUMBER OF COPIES REQUIRED: LTTR 30 ENCL 26

OFFICE OF THE SECRETARY
WASHINGTON, D. C.
JANUARY 1, 1900

TO THE SECRETARY OF AGRICULTURE
FROM THE SECRETARY OF AGRICULTURE

RECEIVED
JANUARY 1, 1900

NAME	ADDRESS	DATE	REMARKS
JOHN A. BROWN	123 MAIN ST.	JAN 1	RECEIVED
JAMES C. WHITE	456 BROADWAY	JAN 1	RECEIVED
WILLIAM D. GREEN	789 N. 1ST ST.	JAN 1	RECEIVED
CHARLES E. BLACK	1010 E. 2ND ST.	JAN 1	RECEIVED
EDWARD F. GRAY	1111 W. 3RD ST.	JAN 1	RECEIVED
FRANK G. HILL	1212 S. 4TH ST.	JAN 1	RECEIVED
GEORGE H. JONES	1313 N. 5TH ST.	JAN 1	RECEIVED
HERBERT I. KIM	1414 E. 6TH ST.	JAN 1	RECEIVED
IRVING J. LEE	1515 W. 7TH ST.	JAN 1	RECEIVED
JACOB K. MANN	1616 S. 8TH ST.	JAN 1	RECEIVED
JOSEPH L. NICHOLS	1717 N. 9TH ST.	JAN 1	RECEIVED
JOHN M. OWEN	1818 E. 10TH ST.	JAN 1	RECEIVED
JAMES N. PETERSON	1919 W. 11TH ST.	JAN 1	RECEIVED
JOHN O. QUINN	2020 S. 12TH ST.	JAN 1	RECEIVED
JACOB R. ROSS	2121 N. 13TH ST.	JAN 1	RECEIVED
JOHN S. SMITH	2222 E. 14TH ST.	JAN 1	RECEIVED
JAMES T. TAYLOR	2323 W. 15TH ST.	JAN 1	RECEIVED
JOHN U. VANCE	2424 S. 16TH ST.	JAN 1	RECEIVED
JACOB W. WALKER	2525 N. 17TH ST.	JAN 1	RECEIVED
JOHN X. YOUNG	2626 E. 18TH ST.	JAN 1	RECEIVED
JAMES Z. ZIMMERMAN	2727 W. 19TH ST.	JAN 1	RECEIVED

Washington Public Power Supply System

3000 George Washington Way P.O. Box 968 Richland, Washington 99352-0968 (509)372-5000

April 8, 1986
G02-86-322

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attn: E. G. Adensam, Project Director
BWR Project Directorate No. 13
Division of BWR Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

Subject: NUCLEAR PLANT NO. 2
REQUEST FOR AMENDMENT TO TECHNICAL SPECIFICATIONS;
DELETION OF CHLORINE DETECTION SYSTEM

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 WNP-2 Technical Specifications sections 3.3.7.8, 4.3.7.8, 4.7.2, index pages vi and xiii, and Bases 3/4.3.7.8 (Attachment). This change requests the deletion of the chlorine detection system due to permanent plant changes having removed chlorine gas storage from the immediate site area. As a result, the threat to control room habitability due to chlorine gas incapacitation has been eliminated.

As discussed in the WNP-2 Final Safety Analysis Report Section 6.4.4.2, chlorine gas was previously stored on site for use in circulating water chemical treatment. Analysis of the amount stored and location with respect to the control room per Regulatory Guide 1.95, Revision 1 "Protection of Nuclear Power Plant Control Room Operators Against An Accidental Chlorine Release", indicated that the WNP-2 control room design should meet the guidance for a Class III type control room. Accordingly, redundant quick response chlorine detectors with automatic isolation were incorporated to ensure control room habitability following a chlorine release on site. The Supply System has recently changed the circulating water treatment system to a system using sodium hypochlorite. As a result, chlorine gas is no longer stored on the WNP-2 site and the WNP-2 chlorine detection system is no longer needed to ensure control room habitability in the event of a non-credible chlorine gas release. Furthermore, Regulatory Guide 1.78 "Assumptions for Evaluating the Habitability of a Nuclear Power Plant Control Room During A Postulated Hazardous Chemical Release" uses, as a threshold for evaluation due

8604150315 860408
PDR ADOCK 05000397
P PDR

*Adol w/ check
\$ 150.00
4964*

E. G. Adensam

Page Two

April 8, 1986

REQUEST FOR AMENDMENT TO TECHNICAL SPECIFICATIONS; DELETION OF CHLORINE
DETECTION SYSTEM

to transportation, a frequency of 10 to 30 shipments of chlorine gas cylinders per year for truck and rail respectively on transportation routes within five miles of the site. It is estimated that truck shipments on such routes are 4 per year. There have been no rail shipments since June 1983, and none are anticipated in the future period. Hence, transportation of chlorine gas in the immediate vicinity does not pose a threat to control room habitability and chlorine monitors are not necessitated by this concern.

The only other areas within a five mile radius in which chlorine might be stored are the WNP-1 and the Fast Flux Test Facility sites. Neither of these facilities have significant chlorine gas storage and therefore do not represent a threat to control room habitability or a potential challenge to the chlorine monitors.

The Supply System has reviewed this request per 10 CFR 50.59 and 50.92 and has determined that it does not represent an unreviewed safety question or significant hazard and does not:

- 1) Involve a significant increase in the probability or consequences of an accident previously evaluated because, the possibility of the accident for which the monitors were required has been made mechanistically impossible. Hence, removal of the monitors can not possibly increase the probability or consequences of an accident for which the motive force has been eliminated.
- 2) Create the possibility of a new or different kind of accident than previously evaluated because no new systems or procedures interacting with the plant are introduced by this request and presently installed systems and procedures will also not be affected by removal of the monitors.
- 3) Involve a significant reduction in a margin of safety because, the margin of safety with respect to a chlorine gas release has been maximized by removal of chlorine gas from the site. Obviously, the only recognized contribution of the chlorine monitors to safety was in the chlorine release accident. Hence, removal of the monitors can not affect the margin of safety.

This technical specification change has been reviewed and approved by the WNP-2 Plant Operations Committee and the Supply System Corporate Nuclear Safety Review Board.

E. G. Adensam

Page Three

April 8, 1986

REQUEST FOR AMENDMENT TO TECHNICAL SPECIFICATIONS; DELETION OF CHLORINE
DETECTION SYSTEM

In accordance with 10 CFR 170.21, an application fee of One hundred fifty dollars (\$150.00) accompanies this request. In accordance with 10 CFR 50.91, the State of Washington has been provided a copy of this letter.

Should you require any further information or assistance to aid in evaluating this request, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,

for *A. B. Sorensen*
G. C. Sorensen, Manager
Regulatory Programs

PLP/tmh
Attachments

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



10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

STATE OF WASHINGTON }
COUNTY OF BENTON }

Subject: REQUEST FOR AMENDMENT TO
TECHNICAL SPECIFICATIONS;
DELETION OF CHLORINE
DETECTION SYSTEM

I, R. B. GLASSCOCK, being duly sworn, subscribe to and say that I am the Director, Licensing & Assurance, 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 April 8, 1986

R. B. Glasscock
R. B. GLASSCOCK, Director
Licensing & Assurance

On this day personally appeared before me R. B. GLASSCOCK to me known to be the individual who executed the foregoing instrument and acknowledged 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 8th day of April, 1986.

Traci M. Hardy
Notary Public in and for the
State of Washington

Residing at Richland, WA
(February 4, 1990)

