REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8502200361 DOC.DATE: 85/02/13 NOTARIZED: NO DOCKET #
FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
50-460 WPPSS Nuclear Project, Unit 1, Washington Public Powe 05000460
AUTH.NAME AUTHOR AFFILIATION
SORENSEN,G.C. Washington Public Power Supply System
RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

SUBJECT: Forwards Rev 2 to "Description of Early Warning Sys for WPPSS Nuclear Plants 1 & 2" & info requested in 850131 telcon re estimated transient population distribution along Columbia River & coast guard notification of population.

DISTRIBUTION CODE: A045D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 60+44
TITLE: OR Submittal Emergency Prep Correspondence

NOTES: 05000397
OL:12/20/83
05000460
OL:Deferred.

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	NRR LB2 BC		1	1	NRR LB4 BC		1	1
	NRR LB2 LA		1	0	NRR LB4 LA		1	0
	AULUCK,R	01	1	1	THADANI,M	01	1	1
INTERNAL:	IE/DEPER/EPB	06	2	2	IE/DEPER/IRB	12	1	1
	NRR/DSI/AEB		1	1	NRR/DSI/RAB		1	1
	REG FILES	04	1	1	RGN5		1	1
	RGN2/DRSS/EPRPB		1	1				
EXTERNAL:	LPDR	03	1	1	NRC PDR	02	1	1
	NSIC		1	1				

TOTAL NUMBER OF COPIES REQUIRED: LTTR 17 ENCL 15

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

February 13, 1985
G02-85-71

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Schwencer:

Subject: EARLY NOTIFICATION SYSTEM DESCRIPTION

References:
1) Assessment of Emergency Early Warning at Washington Public Power Supply System Hanford Site, R. F. Haight, October, 1982.
2) Letter: From Robert L. Ferguson, Managing Director Washington Public Power Supply System, to William J. Dircks, Executive Director of Operations NRC, Washington, D.C., dated November 8, 1982.
3) Letter: From Robert L. Ferguson, Managing Director Washington Public Power Supply System, to William J. Dircks, Executive Director of Operations NRC, Washington D.C., dated January 17, 1983.
4) Letter: From William J. Dircks, Executive Director of Operations NRC Washington D.C., to Robert L. Ferguson, Managing Director Washington Public Power Supply System, dated February 14, 1983.

Enclosed is a revised description of the Early Warning System for Washington Public Power Supply System Nuclear Plants 1 and 2. This report is provided for use by the NRC staff and FEMA in your operational evaluation of our system. This revision responds to comments and requests for additional information by the FEMA staff during their preliminary review of the WNP-2 early warning systems.

Additionally, during a January 31, 1985, meeting with members of the NRC staff and FEMA representatives (by telephone), we were asked to provide more detail regarding the estimated transient population distribution along the Columbia River and the process of Coast Guard notification of this population. The information in Tables 1, 2 and 3 and in Figure 1 is provided in response to that request.

A045
1/1

Confirming our discussions in the January 31, 1985, meeting, it is the Supply System's position that the existing notification system along the Columbia River adequately protects public health and safety and meets the intent of the NRC regulations regarding early notification. This matter was previously reviewed and approved by the NRC (references 1 through 4). Based on the cited technical references and the additional information provided herein, it is our conclusion that additional notification systems or procedure would not significantly enhance safety, are not mandated by regulations and simply are not warranted. By copy of this letter, we request that FEMA conduct their performance evaluation of the WNP-2 Early Warning Systems to confirm that installed systems and procedure are consistent with the approach proposed by reference (2) and (3) and approved by reference (4).

Very truly yours,

G. C. Sorensen, Manager
Regulatory Programs

cc: R. Auluck, NRC
W. Chin, BPA
D. Donovan, FEMA Region X
R. Fish, NRC, Region V
D. Mathews, NRC
A. Toth, NRC, WNP-2
R. Wilkerson, FEMA Headquarters
C. Wingo, FEMA Headquarters

Enclosure: Revised Early Warning System Description, Rev. 2, dated January, 1985.

TABLE 1

ESTIMATED COLUMBIA RIVER

TRANSIENT POPULATION-SEASONAL DISTRIBUTION

(WEEKEND USUAGE*)

Quarter	Total Number of Sportsmen/ Boaters on Columbia River	
	Average	Maximum
January - March	35	130
April - June	100	500
July - September	300	835
October - December	300	600

*Weekday utilization is estimated to be less than 50% of weekend usuage.

TABLE 2

ESTIMATED TRANSIENT POPULATION

ON COLUMBIA RIVER NOTIFIED BY

SIREN COVERAGE OR EVACUATING TRANSIENTS

Distance From Plant	Percent of the Columbia River Transient Population Not Notified by Sirens or Evacuating Transients
0 - 3 mile	0
3 - 5 mile	<10
5 -10 mile	<10
0 -10 mile	<20%

TABLE 3

ESTIMATED COAST GUARD NOTIFICATION TIMES

	Nominal*	Maximum**
Time to reach edge of EPZ and begin notification	20 Min.	45 Min.
Time to perform notifications	40 Min.	135 Min.
Total	60 Min.	180 Min.

*Assumes good weather/river conditions and use of both Coast Guard boat from South and DOE boat fron North.

**Assume adverse weather/river conditions and unavailability of DOE boat. Note that adverse weather is most prevalent during 1st and 4th quarters which correspond to low usuage periods.

SIREN COVERAGE

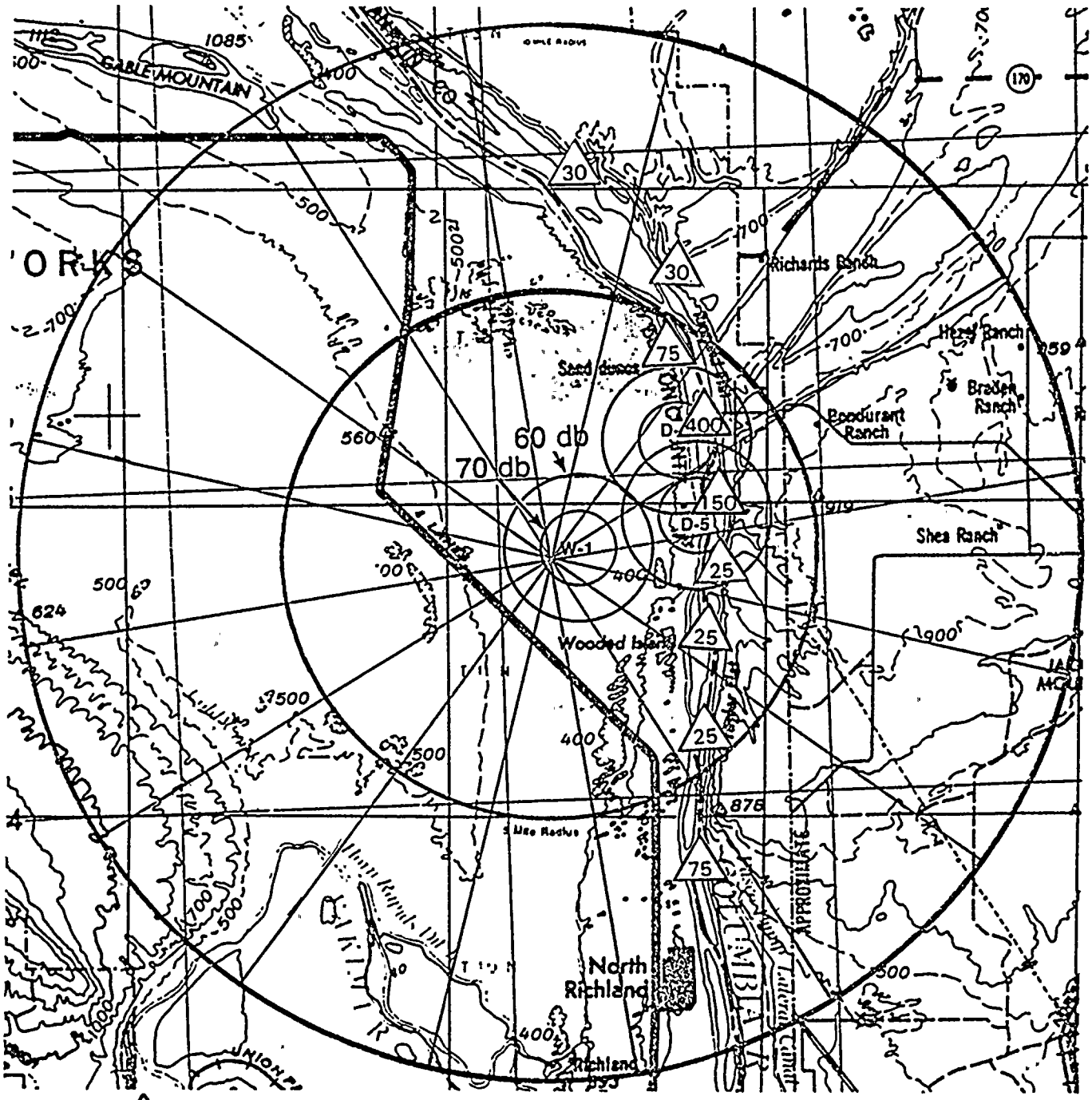

FIGURE 1 ESTIMATED TRANSIENT POPULATION DISTRIBUTION ALONG THE COLUMBIA RIVER REACH DURING PERIODS OF MAXIMUM USE.