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 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: 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.

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TO : DIRECTOR, FBI (100-442100)
FROM : SAC, NEW YORK (100-100000)
SUBJECT: [Illegible]

RE: [Illegible]

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.

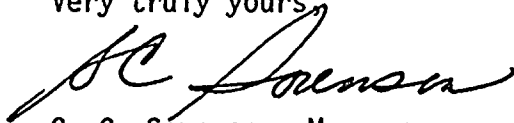
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Mr. A. Schwencer
Early Notification System Description
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Confirming our discussions in the January 31, 1985, meeting, it is the Supply System's position that the existing notification system along 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.

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TABLE 1
ESTIMATED COLUMBIA RIVER
TRANSIENT POPULATION-SEASONAL DISTRIBUTION
(WEEKEND USAGE*)

<u>Quarter</u>	<u>Total Number of Sportsmen/ Boaters on Columbia River</u>	
	<u>Average</u>	<u>Maximum</u>
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 usage.



1

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TABLE 2
ESTIMATED TRANSIENT POPULATION
ON COLUMBIA RIVER NOTIFIED BY
SIREN COVERAGE OR EVACUATING TRANSIENTS

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



3

TABLE 3
ESTIMATED COAST GUARD NOTIFICATION TIMES

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

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



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SIREN COVERAGE

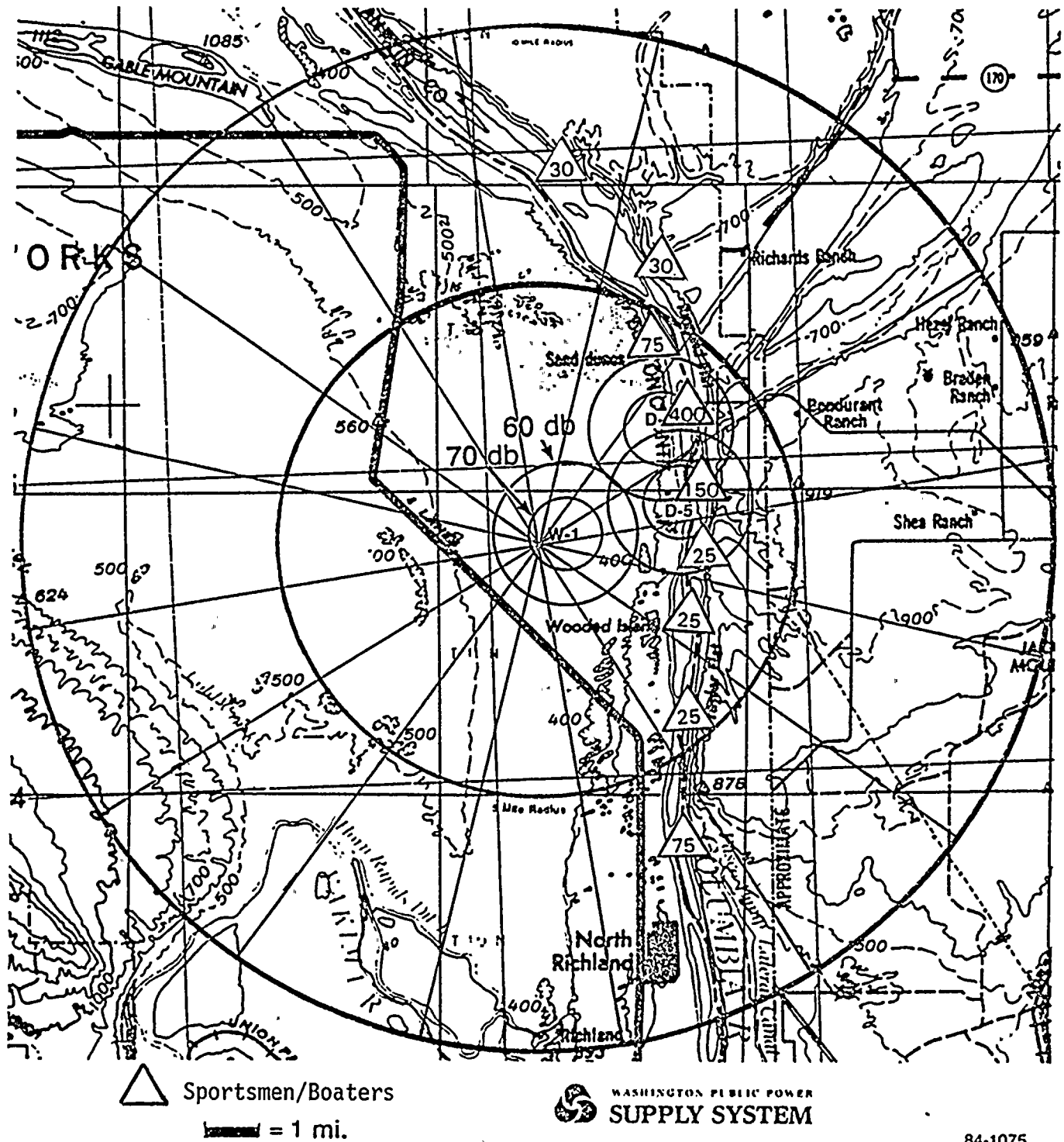


FIGURE 1 ESTIMATED TRANSIENT POPULATION DISTRIBUTION ALONG THE COLUMBIA RIVER REACH DURING PERIODS OF MAXIMUM USE.



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