

50-397

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FILE NUMBER

TO: R. H. Engelken

FROM: WPPSS  
Richland, Washington 99352  
D. L. Renberger

DATE OF DOCUMENT

09/29/77

DATE RECEIVED

12/08/77

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## DESCRIPTION

Furnishing information concerning  
assessment of the impact of suppression pool  
dynamic loading phenomena on the WPPSS Nuclear  
Project No. 2 structures and equipment...

2p

## ENCLOSURE

PLANT NAME :

WPPSS 2  
jcm 12/09/77

## SAFETY

## FOR ACTION/INFORMATION

## ENVIRONMENTAL

ASSIGNED AD:	VASSALLO	ASSIGNED AD:	V. MOORE (LTR)
BRANCH CHIEF:	VARGA	BRANCH CHIEF:	
PROJECT MANAGER:	D. LYNCH	PROJECT MANAGER:	
LIC. ASST:	SERVICE	LIC. ASST:	

B. HARLESS

## INTERNAL DISTRIBUTION

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GOSSICK & STAFF	ENGINEERING	IPPOLITO	
HANAUER	KNIGHT	F. ROSA	ENVIRON TECH
WIPC	BOSNAK		ERNST
CASE	SIHWEIL	OPERATING REACTORS	BALLARD
ROYD	PAWLICKI	STELLO	YOUNGBLOOD
		EISENHUT	
PROJECT MANAGEMENT	REACTOR SAFETY	SHAO	SITE TECH
SKOVHOLT	ROSS	BAER	GAMMILL (2)
P. COLLINS	NOVAK	BUTLER	
HOUSTON	ROSZTOCZY	GRINES	SITE ANALYSIS
MELTZ	CHECK		VOLLMER
HEITEMES			BUNCH
SK	AT & I		J. COLLINS
	SALTZMAN		KREGER
	RUTBERG		

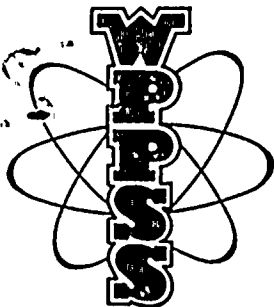
## EXTERNAL DISTRIBUTION

## CONTROL NUMBER

LPDR: RICHARD WASH.	NAT LAB.
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NSIC	
REG V (J. HANCHETT)	
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# REGULATORY DOCKET FILE COPY

Washington Public Power Supply System  
A JOINT OPERATING AGENCY

P. O. Box 968 3000 GEO. WASHINGTON WAY RICHLAND, WASHINGTON 99352 PHONE (509) 946-1611

September 29, 1977  
G02-77-363

Docket No. 50-397

R. H. Engelken, Director  
Nuclear Regulatory Commission, Region V  
Suite 202, Walnut Creek Plaza  
1990 N. California Boulevard  
Walnut Creek, California 94596



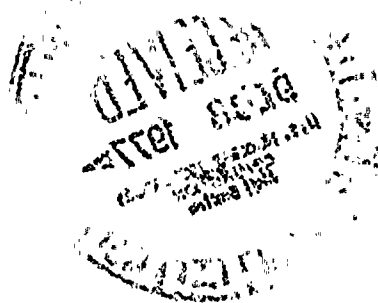
Subject: WPPSS NUCLEAR PROJECT NO. 2  
SUPPRESSION POOL HYDRODYNAMIC LOADING INDUCED  
REACTOR BUILDING ACCELERATIONS

Reference: Letter, D. L. Renberger to R. H. Engelken,  
entitled, "Mark II Containment-Design Deficiency,"  
dated February 24, 1976. (G02-76-65)

Gentlemen:

As you are aware, we have an ongoing assessment of the impact of suppression pool dynamic loading phenomena on the WPPSS Nuclear Project No. 2 structures and equipment. From some of the preliminary results of this assessment, we have determined that sufficient loading is transmitted to equipment outside the suppression pool to require further evaluation and design change. The reactor building accelerations are calculated to occur as a result of hydrodynamic loading on the suppression pool floor/basemat. Because of schedule considerations, we are implementing as a precautionary measure at this time, revisions to drywell snubber requirements to accommodate the currently available loadings. These calculated building accelerations are based on preliminary conservative load definitions which are expected to be refined during the next several months as a part of the Mark II Owner's Program.

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As discussed in the referenced previous correspondence related to the suppression pool dynamic problem, it is our intention to handle resolution of this problem as a NRC-Division of Reactor Licensing issue. A revision to the WPPSS Nuclear Project No. 2 Design Assessment Report describing our approach in the resolution of this matter is scheduled for completion the first quarter of 1978. We trust this manner of resolution will be acceptable to you.

If you have any questions with regard to this matter please contact us.

Very truly yours,

*D L Renberger*

D. L. RENBERGER  
Assistant Director  
Generation & Technology

DLR:GLG:vh

cc: Director of Nuclear Reactor Regulations  
Attention: Mr. Steven A. Varga  
Light Water Reactor Projects Branch 4  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 70555

D. Roe - BPA  
JJ Byrnes - B&R  
JB Knotts

