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 MATLOCK, R.G. Washington Public Power Supply System  
 RECIP. NAME RECIPIENT AFFILIATION  
 ENGELKEN, R.H. Region 5, San Francisco, Office of the Director *MA/1*

SUBJECT: Interim deficiency rept re diesel generator switchgear units  
 DGI-7 & DG2-8 installation. Caused by insufficient clearance  
 between cabinets to prevent impact during seismic event.  
 Switchgear units connected to generator control cabinets.

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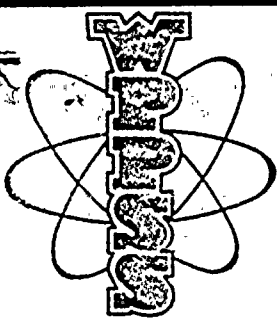
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Washington Public Power Supply System  
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Docket No. 50-397

December 10, 1980  
602-80-282

Nuclear Regulatory Commission  
Region V  
Suite 202, Walnut Creek Plaza  
1990 North California Blvd.  
Walnut Creek, California 94596

Attention: Mr. R. H. Engelken, Director

Gentlemen:

Subject: WPPSS Nuclear Project No. 2  
Docket No. 50-397, CPPR-93  
Reportable Deficiency - 10CFR50.55(e)

In accordance with the provisions of 10CFR50.55(e), your staff was informed by telephone on November 14, 1980, of a reportable deficiency relative to the installation of diesel generator switchgear units DG1-7 and DG2-8. Each of the units is located adjacent to its diesel generator control cabinet. In both cases insufficient clearance between cabinets was allowed to prevent impact during a seismic event which could invalidate seismic qualification of the equipment.

Attached is our report on this deficiency.

Please contact us if you have any additional questions.

Very truly yours,

R. G. Matlock  
Program Director, WNP-2

RGM:MFW:cph  
attachment

cc w/att: JR Lewis - BPA  
ND Lewis - EFSEC, Olympia  
RE Snaith - Burns & Roe  
~~V. Stello - NRC~~  
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WASHINGTON PUBLIC POWER SUPPLY SYSTEM  
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REPORTABLE DEFICIENCY AND CORRECTIVE ACTION  
WPPSS NUCLEAR PROJECT NO. 2

SWITCHGEAR UNITS DG1-7 AND DG2-8  
INSTALLED TOO CLOSE TO ASSOCIATED CONTROL CABINETS

DESCRIPTION OF DEFICIENCY

Diesel generator switchgear units DG1-7 and DG2-8 are installed adjacent to their respective diesel generator control cabinets. In each case insufficient clearance was allowed to prevent impact during a seismic event. Since the affect of impact was not considered in tests and analyses, the seismic qualification of the switchgear and cabinets was invalidated. This has been determined to be a reportable deficiency under 10CFR50.55(e).

SAFETY IMPLICATIONS

Certificaton that the equipment is qualified to withstand an SSE without interruption of safety function is required. Common mode failure could prevent safe shutdown during an SSE.

CORRECTIVE ACTION

Burns and Roe Technical Memorandum No. 1213 has determined that connecting the switchgear units to their respective diesel generator control cabinets to form a unitized assembly will prevent impact and that the new arrangement will not invalidate the original seismic qualification.

A Project Engineering Directive (PED) will be prepared to make the connections as noted above.

