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 FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
 AUTH.NAME AUTHOR AFFILIATION
 RENBERGER,D.L. Washington Public Power Supply System
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Interim deficiency rept re gaps & voids in sacrificial
 shield wall,Corrective action plan described in 800620 ltr.
 Implementation is pending NRC concurrence.

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 TITLE: Construction Deficiency Report (10CFR50.55E)

NOTES:PM: 2 copies of all material.

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THE UNITED STATES OF AMERICA

DEPARTMENT OF THE INTERIOR

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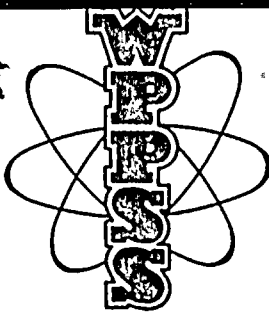
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July 23, 1980
G02-80-161

Nuclear Regulatory Commission
Region V
Office of Inspection and Enforcement
Suite 202, Walnut Creek Plaza
1990 N. California Boulevard
Walnut Creek, California 94596

Attention: Mr. R. H. Engelken, Director

Subject: WPPSS NUCLEAR PROJECT NO. 2
DOCKET NO. 50-397, CPPR-93
REPORTABLE DEFICIENCY - 10CFR50.55(e)

Dear Mr. Engelken:

In accordance with the provisions of 10CFR50.55(e), your staff was informed by telephone on June 23, 1980, of a reportable condition regarding voids and gaps found in the Sacrificial Shield Wall.

Attached is our report of this deficiency.

Please contact us if you have additional questions.

Very truly yours,

D L Renberger

D. L. Renberger
Assistant Director, Technology

DLR/RPS/im

Attachment as stated.

cc: JR Lewis, BPA w/1
JJ Byrnes, B&R w/1
V Stello, Director, NRC, WDC w/1
JJ Verderber, B&R, w/1
WNP-2 Files w/1

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WPPSS NUCLEAR PROJECT NO. 2
REPORTABLE DEFICIENCY AND CORRECTIVE ACTION
FOR GAPS AND VOIDS IN THE SACRIFICIAL SHIELD WALL

Descriptions of Deficiency

Forty spaces (gaps) have been identified between shims located at elevation 541'5" on the Sacrificial Shield Wall (SSW). Two concrete voids were discovered after removing a SSW compartment skin plate. All discoveries were made during the investigation of the plug welds between the upper and lower rings of the SSW. The gaps have been completely identified while the discovery of the concrete voids suggests a potential generic problem at other compartments. These gaps and voids represent radiation windows to the primary containment.

Safety Significance

Due to the gaps and voids, electric cable in the primary containment may be subjected to radiation levels in excess of that for which they have been qualified. This condition may cause the cable insulation to lose its insulating properties, thus adversely affecting the safe operation of the plant.

Corrective Action

The initial conceptual corrective action plan was submitted to NRC Region V via G02-80-28, dated February 11, 1980, (Concern Number Two). A more detailed plan of action based on the successful completion of prototype testing at the site has now been formulated. This detailed plan has been transmitted to the Office of Nuclear Reactor Regulation, with copies to the Director of Inspection and Enforcement, via G02-80-131, dated June 20, 1980. Particular attention should be paid to the attached letter, BRWP-F-80-456, which discusses deviations from the original plan and presents a current status of the engineering work. Implementation of corrective action is pending NRC concurrence with the plan and release to perform work.