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ACCESSION NBR:8102120098 DOC.DATE: 81/02/05 NOTARIZED: NO DOCKET #
FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
AUTH.NAME AUTHOR AFFILIATION
MATLOCK,R.G. Washington Public Power Supply System
RECIP.NAME RECIPIENT AFFILIATION
ENGELKEN,R.H. Region 4, Dallas, Office of the Director

SUBJECT: Deficiency rept re overstress of clamp & rigid sway strut of two installed hangers supporting pipe risers,initially reported 801215.Review of all riser clamp installations complete.Design changes issued to correct installation.

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

NOTES:PM: 2 copies of all material. 05000397

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RB

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February 5, 1981
G02-81-20

Docket No. 50-397

Nuclear Regulatory Commission
Region V
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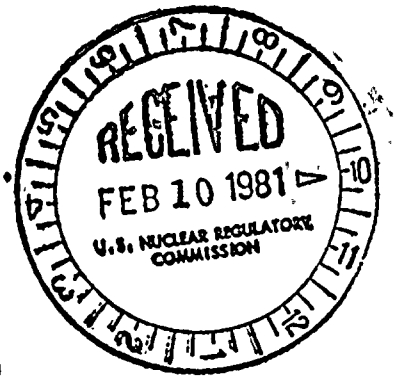

Attention: Mr. R. H. Engelken, Director

Gentlemen:

Subject: WPPSS NUCLEAR PROJECT NO. 2
REPORTABLE DEFICIENCY - 10CFR50.55(e)
ONE-SIDED CLAMP LOADING

Reference: G02-80-301, dated 12/15/80
Subject: Potential Reportable Deficiency 10CFR50.55(e)

Your staff was previously notified of a "Potentially Reportable" condition regarding a possible noncompliance to ASME III, Section NF, Paragraph 369IC, per the referenced letter.

Our evaluation, in accordance with ASME III, Section NF, Paragraph 3610, has concluded that this condition is reportable under the provision of 10CFR50.55(e).

Attached is our final report describing the deficiency, its safety significance and the corrective action to resolve the deficiency.

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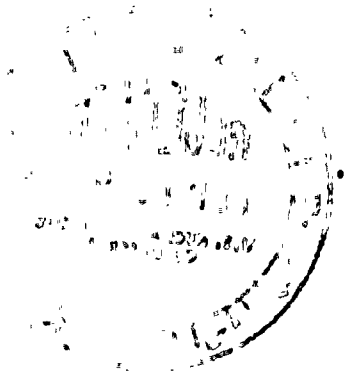

Please contact us if you have additional questions.

Very truly yours,

R. G. MATLOCK
Program Director, WNP-2

RGM/RPS/ib

Attachment as stated
cc: WS Chin - BPA
ND Lewis - EFSEC, Olympia
RE Snaith - B&R, NY
V. Stello - NRC
AD Toth - NRC Site
JJ Verderber - B&R, NY
E. Wood - NUS Corporation
WNP-2 Files

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
DOCKET NO. 50-397 CPPR-93

WPPSS NUCLEAR PROJECT NO. 2
REPORTABLE DEFICIENCY AND CORRECTIVE ACTION
ONE-SIDED CLAMP LOADING PER ASME SECTION III

Nature of Deficiency:

The investigative action to assure that the WNP-2 hanger design for risers meet the requirements of ASME III, Section NF, Paragraph 3610, has identified a design deficiency that could have resulted in an unsafe condition were it to remain uncorrected. Two installed hangers, RCC-290 and RWCU-1C-4PS, supporting pipe risers on ASME Section III, Class 1 and 3 system, have been identified and require modification to avoid overstress of the clamp, and rigid sway strut.

Safety Significance:

The overstress condition in the clamp and rigid sway strut could lead to failure of the hanger and the ASME Code Class pipe it supports. This could impair the ability to operate or take the plant to a safe shutdown condition.

Corrective Action:

A review of all riser clamp installations has been completed. Sixteen (16) hanger installations were identified as having a potential for a load shift. Design changes are being issued to correct the installation of the hangers identified above. One hanger has been re-evaluated and found not subject to a load shift. The remaining thirteen (13) hangers having this potential for load shift are being analyzed. Those that are found to require modification will be modified accordingly. Any new hanger installation involving a configuration that is subject to a load shift will be constructed to withstand the excentric loading required by ASME III, Section NF.