

50.55(e) Report

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PUBLIC SERVICE COMPANY

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P.O. BOX 21666 - PHOENIX, ARIZONA 85036

October 8, 1982

ANPP-21972-GHD/BSK

U. S. Nuclear Regulatory Commission
Region V
Creskide Oaks Office Park
1450 Maria Lane - Suite 210
Walnut Creek, California

Attention: Mr. D. M. Sternberg, Chief
Reactor Projects Branch 1

Subject: Final Report - DER 82-49
A 50.55(e) Reportable Condition Relating to Unit 1
Steam Generator #2 Has Pipe Support Incorrectly Welded
to Sway Struts Instead of Using Approved Brackets.
File: 82-019-026
D.4.33.2

Reference: (A) Telephone Conversation between J. Eckhardt and
G. Duckworth on September 8, 1982

Dear Sir:

Attached is our final written report of the Reportable Deficiency
under 10CFR50.55(e), referenced above.

Very truly yours,

E. E. Van Brunt, Jr.
APS Vice President
Nuclear Projects Management
ANPP Project Director

EEVBJr/GHD:db

Enclosure

cc: See Attached Page 2

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U. S. Nuclear Regulatory Commission
Attention: Mr. D. M. Sternberg, Chief
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cc: Richard DeYoung, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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FINAL REPORT - DER 82-49

DEFICIENCY EVALUATION 50.55(e)

ARIZONA PUBLIC SERVICE COMPANY (APS)

PVNGS UNIT 1

I. DESCRIPTION OF DEFICIENCY

During inspection of rework required by Design Change Package 1SS-SG-052, it was discovered that two (2) Figure 211, Size 1 ITT Grinnel sway struts had been previously installed as a single trapeze configuration restraint 13-SG-011-H-017 and accepted by Bechtel Construction with incorrect end brackets. This condition exists on the Feedwater Inlet piping to Steam Generator #2 (Line SG-011-DLBB-8"). Figure 66 welded-beam attachments had been installed in place of the rear-end brackets which are furnished as part of the Figure 211, Size 1 sway strut assembly. There are no previous Modification Change Notices (MCN), Field Change Requests (FCR), or Nonconformance Reports (NCR) to document this deviation.

This condition would not be found during the normal Quality Control inspection or the IE Bulletin 79-14 piping system walkdown inspections because the hanger drawings do not delineate the particular end brackets supplied as part of the purchased sway strut assemblies.

Thirty-nine (39) additional Quality Class Q ITT Grinnell Figure 211 sway strut installations were examined for similar occurrences and none were found. This represents a 16 2/3% sampling of the 234 installed sway struts. It is concluded that the subject condition is a single occurrence.

II. ANALYSIS OF SAFETY IMPLICATIONS

This condition is evaluated as reportable since, if left uncorrected, the condition could possibly result in a safety significant condition. The installed Figure 66 beam attachments have inadequate load capacity (7,090 lb.) for design load (10,300 lb.) and do not provide adequate fit-up tolerances for proper strut function. A detailed analysis of the safety implications was not performed since the condition is being corrected.

III. CORRECTIVE ACTION

Nonconformance Report PC-4427 will be dispositioned to replace the beam attachments with applicable sway strut rear end brackets.

To preclude recurrence in Units 2 and 3, all the responsible individuals have reviewed this DER to assure understanding that any proposed deviation must be documented on an FCR or MCN prior to proceeding with a modified installation.