

ARIZONA



PUBLIC SERVICE COMPANY

P. O. BOX 21666 · PHOENIX, ARIZONA 85036

July 30, 1981
ANPP-18532-BSK/JAR

U. S. Nuclear Regulatory Commission
Region V
Walnut Creek Plaza - Suite 202
1990 North California Boulevard
Walnut Creek, California 94596

Attention: Mr. B. H. Faulkenberry, Chief
Reactor Construction and
Engineering Support Branch

Subject: Final Report
A 50.55(e) Reportable Condition Relating to Weld Details
on Pipe Support Drawing Contrary to ASME Section III
Requirements
File: 81-019-026
D.4.33.2

Reference: Telephone Conversation between J. Eckhardt and B. S. Kaplan
on July 2, 1981 (DER 81-20)

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
ANPP Project Director

EEVBJr/BSK:skc

Attachment



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U. S. Nuclear Regulatory Commission
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cc: Victor Stello, Jr., Director
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FINAL REPORT
REPORTABLE DEFICIENCY 50.55(e)
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNITS NO. 1, 2 AND 3

I. Description of Deficiency

Bechtel Engineering initiated this deficiency report because of apparent discrepancies between Bechtel pipe support drawing weld symbols and the requirements for Class 1 welded attachments per the ASME Section III Code. Paragraph NB-4433 of the Code states that lugs, brackets, stiffeners and other permanent attachments shall be joined by a full penetration continuous weld. The following pipe support drawings for the let-down system called out fillet welds for the shear lugs rather than full penetration welds:

13-RC091-H005

13-RC091-H006

13-RC091-HOAP

13-RC091-H00Q

An engineering review was made for all ASME Section III Class 1 pipe support drawings to see if other supports contained fillet welds. The survey showed that fillet welds were used only for the pipe supports on one layout isometric drawing (13-P-ChF-142). The support designs on all of the other layout isometric drawings for ASME Section III Class 1 piping components and supports specified a full penetration continuous weld. Additionally, a review of the pipe support calculations did not reveal any other deficiency related to this problem. Based on the above, this is considered to be an isolated case due to oversight.

II. Analysis of Safety Implications

This deficiency is considered to be reportable since ASME Section III Code requirements for full penetration continuous attachment for Class 1 components were not specified on the identified four drawings issued for construction.

III. Corrective Action

Design Change Package 1-SS-RC-014 has been issued to rework the identified hanger lug welds to comply with Code requirements. The identified drawings have been revised to correct this condition.