

ARIZONA



PUBLIC SERVICE COMPANY

P. O. BOX 21666 • PHOENIX, ARIZONA 85036

February 22, 1982
ANPP-20228-GHD/BSK

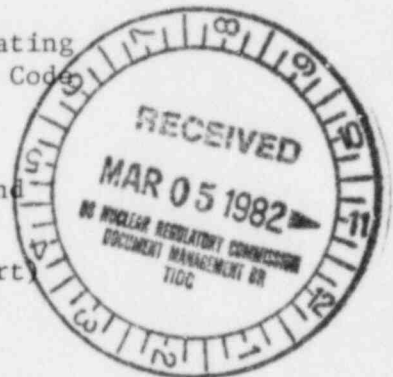
U. S. Nuclear Regulatory Commission
Region V
Creskide Oaks Office Park
1450 Maria Lane - Suite 210
Walnut Creek, California 94596-5368

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

Subject: Interim Report, Revision 2 - DER 81-10
A 50.55(e) Potentially Reportable Deficiency Relating
to Hardened Washers Not Used As Required by ASME Code
File: 81-019-026
D.4.33.2

Reference: (A) Telephone Conversation between J. Eckhardt and
C. T. Lewis on May 12, 1981
(B) ANPP-18183, dated June 9, 1981 (Interim Report)
(C) ANPP-19520, dated November 20, 1981 (Interim
Report, Revision 1)

rec'd NRC
FEB 26 1982



Dear Sir:

The NRC was notified of a potentially reportable deficiency in Reference (A), and Interim Reports were transmitted by References (B) and (C). At that time, it was estimated that a Final Report would be available by February 26, 1982.

Due to the extensive investigation and evaluation required, Revision 2 of the Interim Report is attached. It is now expected that this information will be finalized by June 4, 1982, at which time a complete report will be submitted.

Very truly yours,
E. E. Van Brunt
E. E. Van Brunt, Jr.
APS Vice President
Nuclear Projects
ANPP Project Director

EEVBjr/GHD:skc

Attachment

cc: See Attached Page 2

U. S. Nuclear Regulatory Commission
Attention: Mr. B. H. Faulkenberry, Chief
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Page 2

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

J. A. Roedel
D. B. Fasnacht
G. C. Andognini
F. W. Hartley
J. M. Allen
A. C. Rogers
B. S. Kaplan
W. E. Ide
J. Vorees
J. A. Brand
A. C. Gehr
W. J. Stubblefield
W. G. Bingham
R. L. Patterson
R. W. Welcher
R. M. Grant
D. R. Hawkinson
L. E. Vordertruggen

R. L. Greenfield
Assistant Attorney General
Bataan Memorial Building
Santa Fe, New Mexico 87503

Ms. Patricia Lee Hourihan
6413 South 26th Street
Phoenix, Arizona 85040

INTERIM REPORT, REVISION 2 - DER 81-10
POTENTIAL REPORTABLE DEFICIENCY
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNITS 1, 2 AND 3

I. Potential Problem

Specification 13-PM-209, Section 4.3.1.2, requires supports to be fabricated to ASME Section III, Subsection NF. ASME Section III, Subsection NF, Paragraph 4724, requires bolts tightened by means of a calibrated torque wrench shall be installed with a hardened washer under the nut or head, whichever is the element turned in tightening.

Bechtel Supplier Quality Representative noted during surveillance inspection activities that supplier, ITT Grinnell, Warren, Ohio, was installing mild carbon steel washers under the bolt heads on Sizes 1, 3 and 10 mechanical shock suppressors (Figure 306, Pivot Mount, and Figure 307, Extension Assemblies). On Sizes $\frac{1}{4}$ and $\frac{1}{2}$, Figures 306 and 307 Shocks, the supplier had installed hardened brass washers.

II. Approach To and Status Of Proposed Resolution

Bechtel has been notified by Code Interpretation N1 81-163 (copy attached) that NF-4724 permits the use of hardened brass washers. The Ballot Vote for the Code Case which is expected to authorize that mild steel washers may be used as an alternative to the hardened washers required by NF-4724, is scheduled for April, 1982.

III. Projected Completion of Corrective Action and Submittal of the Final Report

The evaluation and final report are forecast to be completed by June 4, 1982.



The American Society of Mechanical Engineers

United Engineering Center • 345 E. 47th St., New York, N.Y. 10017 • 212-644-7722 • TWX-710-581-5267

Attachment to DER 81-10

January 18, 1982

Bechtel Group, Inc.
P.O. Box 3965
San Francisco, CA 94119

Att: W. H. Bortner

Subject: Section III, Division 1
NF-4724 Bolt Tension

Reference: Your letter of October 21, 1981
ASME File # NI 81-163

Gentlemen:

Our understanding of the question in your inquiry, and our reply are as follows:

Question: Does paragraph NF-4724 of ASME Section III permit the use of a hardened brass washer under the nut or bolt head which is turned in tightening, when high strength carbon or alloy steel bolts are tightened by means of a calibrated wrench?

Reply: Yes.

Your truly,

John Millman
Assistant Secretary
(212) 644-8049

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