

ARIZONA



PUBLIC SERVICE COMPANY

P. O. BOX 21666 · PHOENIX, ARIZONA 85036

January 22, 1979
ANPP-12454-JAR

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

Attention: Mr. G. S. Spencer, Chief
Reactor Construction and
Engineering Support Branch

Subject: NRC I&E Inspection of November 29-December 2,
and December 5-7, 1978
File: 79-019-026

Dear Sir:

This letter refers to the inspection conducted by Mr. W. G. Albert on November 29-December 2, and December 5-7, 1978, as documented in your letter of December 18, 1978 of activities authorized by Nuclear Regulatory Commission (NRC) Construction Permits Nos. CPPR-141, 142 and 143.

During this inspection, one item of noncompliance was identified. Our response to this item of noncompliance (infraction) is described in the enclosed Attachment A.

Very truly yours,

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

EEVBJr/JAR:skc

Attachment A

cc: R. L. Robb
W. M. Petro
R. L. Ford
R. S. ...
V. S. ...
H. H. ...
W. G. ...
W. J. Stubblefield
J. E. Bashore
C. Betzhold

7902260031

ATTACHMENT A

Docket Nos. 50-528, 529, 530

Notice of Violation

Based on the results of an NRC Inspection conducted November 29-December 2, and December 5-7, 1978, it appears that one of your activities was not conducted in full compliance with conditions of your NRC Construction Permit No. CPPR-155 as indicated below:

Appendix B of 10CFR50, Criterion IX, requires that special processes be "....accomplished by qualified personnel using qualified procedures...." The PVNGS PSAR (Amendment 17, PP 17.1A-36) implements this criterion and requires that: "Special processes shall be performed....by qualified personnel in accordance with....procedures...." Bechtel WPP/QCI No. 56.0, "Cadweld Splicing of Reinforcing Steel", Paragraph 5.5, states that, "Prior to assembling the cadweld sleeve into position on rebar ends, the bar ends shall be marked...."

Contrary to the above requirements, on November 30, 1978, a cadweld sleeve was placed and pinned without prior marking of the rebar. This horizontal cadweld was being made on the West side of the Unit 2 primary shield wall. Cadweld splicing personnel stated that bar marking after sleeve placement has been used as an optional procedure for horizontal rebars.

This is an infraction.

Response

As stated above, our procedures require that the ends of the rebar be marked prior to centering the sleeve over the ends of the rebar. The craftsman involved with this incident contends that he was aware of the necessity of centering the cadweld sleeve and was verifying the sleeve's position by observing the ends of the rebar through the tap hole in the sleeve.

Bechtel Supervision has been instructed to assure that all of the requirements of the cadweld procedures are followed. They have, in turn, instructed the craftsman involved as well as all cadweld crews on the proper sequence of cadweld installation.

Of these cadwelds, only 484 were rejected as visual defects, usually for excessive porosity. In addition, we have destructively tested some 1,070 cadweld splices, none of which failed to meet the 60,000 psi tensile requirement of the specifications. A full inspection of the area was also conducted and confirmed that no other discrepant cadwelds were installed. Based on this inspection and our previous inspections and tests, Arizona Public Service Company is confident that it is unlikely that any of the cadwelds installed in PVNGS failed to meet the specified design requirements.

Bechtel Quality Control and Quality Assurance personnel will increase their inspections and surveillances of the cadweld installation activities to ensure full compliance with procedures.

These corrective actions were completed on January 10, 1979.