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Docket Nos. 50-528/529/530

50.55(e) Report
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ARIZONA



PUBLIC SERVICE COMPANY

P. O. BOX 21666 · PHOENIX, ARIZONA 85036

REGION VI
April 5, 1982
ANPP-20617-GHD/BSK

U. S. Nuclear Regulatory Commission
Region V
Creekside 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: Final Report - DER 81-56
A 50.55(e) Report Relating to Unit 1 Letdown Heat Exchangers
by CE Subcontractor Richmond Engineering Had Stiffener Rings
Welded 1/3 of Diameter Instead of 1/2 Diameter Required by
ASME Code
File: 82-019-026
D.4.33.2

Reference: (A) Telephone Conversation between Bob Dodds and
George Duckworth on January 5, 1982
(B) ANPP-20079, dated February 3, 1982, Interim Report

Dear Sir:

Attached, is our final written report of the deficiency referenced above,
which has been determined to be Not Reportable under the requirements of
10CFR50.55(e).

Very truly yours,

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

EEVBJr/GHD:skc

Attachment

cc: See Attached Page 2

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U. S. Nuclear Regulatory Commission
Attention: Mr. B. H. Faulkenberry, Chief
ANPP-20617-GHD/BSK
April 5, 1982
Page 2

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 81-56
DEFICIENCY EVALUATION 50.55(e)
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNIT 1

I. Description of Deficiency

During a Combustion Engineering (CE) Quality Assurance audit of Richmond Engineering Company (RECO), two letdown heat exchangers were found in violation of Paragraph NC-4437 2(b) of the ASME Boiler and Pressure Vessel Code which requires that stiffening rings be welded to the shell "...not less than one-half the outside circumference..." The RECO drawing called for a 2" @ 4" fillet weld meaning 2" of weld on 4" centers. Evidently, the welder mistook this to mean 2" of weld with 4" spaces. The particular nonconforming units were corrected prior to leaving RECO's shop.

A subsequent field inspection of the letdown heat exchangers already shipped discovered the same condition on the Palo Verde Unit 1 equipment.

II. Analysis of Safety Implications

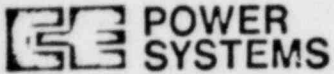
APS and Bechtel concur with the attached Combustion Engineering evaluation (Letter V-CE-16036) which evaluates the condition to be Not Reportable. Had this condition remained undetected and uncorrected, it would not have represented a safety significant condition.

III. Corrective Action

Combustion Engineering under contract to Richmond Engineering has repaired the weld.

C-E Power Systems
Combustion Engineering, Inc.
1000 Prospect Hill Road
Windsor, Connecticut 06095

Tel 203/688-1911
Telex 99297



March 8, 1982
V-CE-16036

Mr. W. G. Bingham
Project Engineer
Bechtel Power Corporation
12400 East Imperial Highway
Norwalk, California 90650

Subject: ANPP Unit 1
Letdown Heat Exchanger
10CFR50.55(e)

References: (A) Bechtel DER 81-56, Rev. 0 12/21/81, same subject
(B) Bechtel letter B/CE-E-37917, 1/6/82, same subject

Dear Mr. Bingham:

CE has reviewed the condition described in Reference (A) (Enclosure to Reference (B)) and in CE's opinion is not reportable under the provisions of 10CFR50.55(e). Furthermore it does not constitute a "substantial safety hazard" and thus would not be considered to be reportable under 10CFR21.

Had the condition remained uncorrected, and the heat exchanger were to experience a seismic event resulting in a loss of component function, the plant could have been shutdown in a normal manner because the letdown heat exchangers are not used in plant shutdown.

Please note that CE Chattanooga, under contract to Richmond Engineering, has repaired the weld and paperwork documentation is in progress.

If you have any further questions, please feel free to inquire.

Very truly yours,

C. Ferguson/MFB
C. Ferguson
Project Manager

CF/TEB:rre
V-PCE-2272
1/21/82

cc: Messrs:

E. E. Van Brunt, Jr. D. B. Amerine
W. L. MacDonald G. C. Andognini
R. H. Holm
W. Wilson
F. W. Hartley
G. A. Butterworth
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FILE	N.7.03
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R	A
3	MR BINGHAM
2	PE STIENC
1	APL KEITH
	APL NAJARIAN
	APL ALTY
	RE BLACK
	COORD 1
	COORD 2
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	PLANT DESIGN
	SIB & SUP
	CLIENT
	PC FILE
	CE WJS
	CC KISTWERTNIK
	CC R. WELCHER