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50.55(e)

ARIZONA

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PUBLIC SERVICE COMPANY

P.O. BOX 21666 - PHOENIX, ARIZONA 85036

May 26, 1982
ANPP-21044-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. T. W. Bishop, Chief
Reactor Construction Projects Branch

Subject: Final Report - DER 81-52
A 50.55(e) Report Relating to Unit 1 Low Pressure
Safety Injection Pumps and Containment Spray Pumps
Have Potentially Loose Anti-Rotation Pins
File: 82-019-026
D.4.33.2

Reference: (A) Telephone Conversation between J. Eckhardt and
G. Duckworth on December 30, 1981
(B) ANPP-20014, dated January 28, 1982 (Interim
Report)
(C) ANPP-20486, dated March 19, 1982 (Time Extension)
(D) ANPP-20818, dated April 27, 1982 (Time Extension)

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 Director

EEVBjr/GHD:skc

Attachment

cc: See Attached Page 2

U. S. Nuclear Regulatory Commission
Attention: Mr. T. W. Bishop, Chief
ANPP-21044-GHD/BSK
May 26, 1982
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
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. Vorderbrueggen
G. A. Fiorelli

Lynne Bernabei, Esq.
Harmon & Weiss
1725 "I" Street, NW
Suite 506
Washington, D. C. 20006

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

FINAL REPORT - DER 81-52
DEFICIENCY EVALUATION 50.55(e)
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNITS 1

I. Description of Deficiency

Combustion Engineering identified a low pressure safety injection pump failure at the Arkansas One plant. Subsequent Combustion Engineering correspondence requested Bechtel to check and reinstall any loose Anti-Rotation Pins in the low pressure safety injection and containment spray pumps manufactured by Ingersoll-Rand.

II. Analysis of Safety Implications

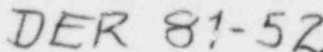
This condition is evaluated as Not Reportable based on the attached Combustion Engineering Letter V-CE-15903, dated February 10, 1982. Should this condition have remained undetected and/or uncorrected, it would not represent a safety significant condition.

III. Corrective Action

Nonconformance Report NA638 (Low Pressure Safety Injection Pump) will be dispositioned to secure the loose pins by tack welding in compliance with Combustion Engineering Letters V-CE-6180, dated March 15, 1980, and V-CE-6354, dated October 8, 1981.

Nonconformance Report NA639 (Containment Spray Pump) will be dispositioned as Use-As-Is, since the pins were found to be tight by Bechtel Field personnel.

The above pumps for Unit 1 were modified under Ingersoll-Rand supervision. The pump sets for Units 2 and 3 were modified by Ingersoll-Rand prior to delivery to the jobsite (see attached Letter I-R to W. G. Bingham, dated April 16, 1982).



S. N. Mager
G. C. Andognini
D. B. Amerine

*To Assign 9/1		
BSK		
Resp. Mgr./ Supv	JMA	
	ACG	
	GCA	
	FWH	
	SCJ	
	BSK	✓
	DBF	✓
	*RLR	✓
	*JAR	✓
	ACR	✓
	WEI	✓
ANPP Management Distribution	MFH	✓
	GHD	✓
	*EEVB, Jr.	✓ enc.
	ROCK	
F-U		
FILE		
83-001-419.1		enc.



April 16, 1982

Bechtel Power Corporation
P.O. Box 60860 - Terminal Annex
Los Angeles, CA 90060

Attention: Mr. William Bingham

Subject: ANPP-Palo Verde Nuclear Generating Station
Units 1, 2 and 3
Model 8x20 WDF Low Pressure Safety Injection Pumps
I-R Orders 001-36423/26/29
and
Model 8x23 WDF Containment Spray Pumps
I-R Orders 001-36424/27/30

Gentlemen:

We respond to your recent request for clarification of the change in the anti-rotation pin to prevent the diffuser from rotating in the pump casing.

On Unit #1 both sets of pumps were modified by captive welding the pin under Ingersoll-Rand supervision.

On Units #2 and #3 the pump sets were shipped later and we were able to incorporate a design change during manufacture so that the pin is permanently secured and no field modification of these pumps is required.

We hope this clarifies the situation.

Very truly yours,

INGERSOLL-RAND COMPANY

Ted R. Kernkamp

mm

Los Angeles Office

Ingersoll-Rand Company
5533 East Olympic Boulevard
Los Angeles, CA 90022-0048
(213) 723-0131

165256
JOB 10407
FILE N-001
1 PR 22 '82

R	FILE DESCRIPTION	A
3	ME STENS	
2	APL KE TH	
	APL NAC JUAN	
	APL ALEY	
	RE BLACH	
	COORD 1	
	COORD 2	
	POE	
	PL/WHY (SFO)	
	ARCH	
	C/S	
	CONTRLS	
	ELECT	
	MECH	
	NUCLEAR	
	PLANT DESIGN	
	STR & SUP	
	CLIENT	
	PO FILE	
	Y.E.	