

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8105110259 DOC. DATE: 81/04/30 NOTARIZED: NO DOCKET #
 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publ 05000528
 AUTH. NAME: AUTHOR AFFILIATION
 VANBRUNT, E. E. Arizona Public Service Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 FAULKENBERRY, B. Region 5, San Francisco, Reactor Construction & Engineer

SUBJECT: Final deficiency rept re: ASME Section XI ultrasonic
 preservice exams revealing indications in Pullman power
 elbows. Exam program plan to be revised & indications
 accepted w/o repair.

DISTRIBUTION CODE: B019S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: Construction Deficiency Report (10CFR50.55E)

NOTES: Standardized Plant: 1 cy: C. Grimes

05000528

	RECIPIENT ID CODE/NAME	COPIES		RECIPIENT ID CODE/NAME	COPIES	
		LTTR	ENCL		LTTR	ENCL
ACTION:	A/D. LICENSNG 04	1	1	LIC BR #3 BC 05	1	1
	LIC BR #3 LA 06	1	1	KERRIGAN, J. 07	1	1
INTERNAL:	ASLBP/J. HARD	1	1	D/DIR: HUM FAC15	1	1
	EDO & STAFF 19	1	1	EQUIP QUAL BR11	1	1
	HYD/GEO BR 22	1	1	I&E 09	1	1
	IE/EES	1	1	LIC QUAL BR 12	1	1
	MPA 20	1	1	NRC PDR 02	1	1
	OELD 21	1	1	PROC/TST REV 13	1	1
	QA BR 14	1	1	<u>REG. FILE</u> 01	1	1
	STANDRDS DEV 21	1	1			
EXTERNAL:	ACRS 16	16	16	LPDR 03	1	1
	NSIC 08	1	1			

MAY 12 1981

TOTAL NUMBER OF COPIES REQUIRED: LTTR

38
37 ENCL 37

40

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

ARIZONA

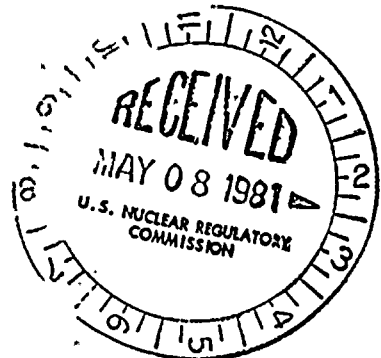


PUBLIC SERVICE COMPANY

P. O. BOX 21666 • PHOENIX, ARIZONA 85036

April 30, 1981
ANPP-17876-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 ASME
Section XI Ultrasonic Pre-service Examinations
Revealing Indications in Pullman Power Elbows
File: 80-019-026
D.4.33.2

Reference: (1) Telephone Conversation between J. Eckhardt
and B. S. Kaplan on January 9, 1981 (DER 80-46)
(2) Interim Report, ANPP-17244-BSK/JAR, dated
February 6, 1981

Dear Sir:

Attached, is our final written report of the reportable deficiency
under 10CFR50.55(e) referenced above.

While performing ultrasonic pre-service examination in accordance
with ASME Section XI on the Safety Injection System, indications
were found which were previously accepted.

Subsequent investigations and evaluations resulted in a determination
that the welds did meet ASME criteria and were acceptable. Therefore,
it is concluded that this would not have constituted a significant
safety condition.

Very truly yours,

E. E. Van Brunt

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

B019
5
1/1

EEVBJr/BSK:skc

Attachment

8105110259

5

U. S. Nuclear Regulatory Commission
Attention: Mr. B. H. Faulkenberry
ANPP-17876-BSK/JAR
April 30, 1981
Page 2

cc: Victor Stello, Jr., Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

A. C. Gehr
Snell & Wilmer

R. L. Robb
D. B. Fasnacht
W. E. Ide
A. C. Rogers
J. M. Allen
J. A. Brand
W. H. Wilson
W. G. Bingham
W. J. Stubblefield
R. L. Patterson
R. W. Welcher
D. R. Hawkinson

FINAL REPORT
REPORTABLE DEFICIENCY 50.55(e)
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNIT NO. 1

I. Description of Deficiency

- a. While performing ultrasonic pre-service examination in accordance with ASME Section XI on the safety injection system, an intermittent indication full length with 200% DAC maximum amp, located near OD surface was found in a 16-inch (16") thin wall 32° elbow identified as Spool 1-SI-194-003 (NCR P-C-1932). The linear image could be interpreted to be 11.4 inches long, 0.1 inches wide and 0.1 inches deep. Documentation in PVNGS site for this spool, furnished by Pullman Power Products, indicates that the subject elbow was purchased from the Stainless & Alloy Division of Gulf & Western Manufacturing, Energy Products Group and was previously accepted by radiographic examination. Reexamination by Bechtel Construction (including extra angle shots along the weld prep) using radiographic examination confirmed the same completely acceptable results as indicated by the documentation provided through Pullman.

In November, 1980 APS elected to use the S78 Addenda of ASME Section XI for Class 2 piping systems. This Addenda calls for a surface examination for piping with a nominal wall thickness of $\frac{1}{2}$ -inch ($\frac{1}{2}$ ") or less and not for a volumetric plus a surface exam which was called for in the Pre-service Examination (PSE) Program Plan. The results of the surface examinations which were performed on these elbows did not identify any reportable indications.

It should be noted that this occurrence is not similar to the Youngstown pipe problem. The piping from Youngstown Welding and Engineering Company was fabricated from SA312, welded without filler metal and then ultrasonically examined. Whereas, the piping material in this case was fabricated from SA240, welded with filler metal and then radiographed. Furthermore, the UT indications as noted in this case are much smaller than those which were considered acceptable (1/3T) in the studies which were performed in support of the Youngstown pipe problem.

- b. Additional UT pre-service examinations revealed three more minor indications in different spools (NCR's P-A-2032/2033/2034), which were initially evaluated by Combustion Engineering as potentially significant. A subsequent review revealed the same discrepancy in the PSE Program Plan as mentioned in (a.) above.

II. Analysis of Safety Implications

As indicated by the above review, both conditions are considered to be not reportable since the minor indications are acceptable according to the material specification and ASME Section III and are outside the required examination areas of Section XI.

III. Corrective Action

The PSE Program Plan will be appropriately revised and the indications accepted without repair.

