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 Publi 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 LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES 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 FAC	15	1	1
	EDO & STAFF	19	1	1	EQUIP QUAL BR	11	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	REG FILE	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 ~~37~~ 38 ENCL ~~37~~ 38

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
S
1/1

EEVBJr/BSK:skc

Attachment

8105110259

5

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 ½-inch (½") 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.