

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8104280336 DOC.DATE: 81/04/20 NOTARIZED: NO DOCKET #
 FACIL:STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530
 AUTH.NAME AUTHOR AFFILIATION
 VAN BRUNT,E.E. Arizona Public Service Co.
 RECIP.NAME RECIPIENT AFFILIATION
 SPENCER,G.S. Region 5, San Francisco, Reactor Construction & Engineer

SUBJECT: Final deficiency rept re indications revealed in site
 radiographs of piping spools which were previously accepted,
 initially reported on 810127 telcon.Welds do meet ASME
 criteria & are acceptable.

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

NOTES:Standardized Plant.1 cy:C. Grimes 05000529
 Standardized Plant.1 cy:C. Grimes 05000530

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES 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
	EDD & 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	REG FILE 01	1 1
	RUTHERFORD,W.IE	1 1	STANDRDS DEV 21	1 1
EXTERNAL:	ACRS 16	16 16	LPDR 03	1 1
	NSIC 08	1 1		

APR 30 1981

TOTAL NUMBER OF COPIES REQUIRED: LTTR

39 39
~~36~~ ENCL ~~36~~

54

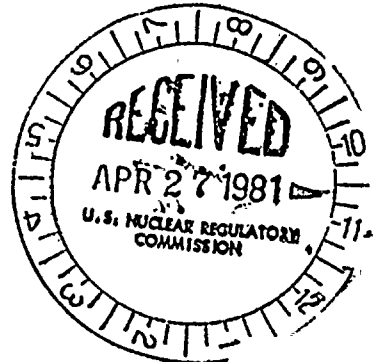
ARIZONA



PUBLIC SERVICE COMPANY

P. O. BOX 21666 • PHOENIX, ARIZONA 85036

April 20, 1981
ANPP-17797-BSK/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: Final Report
A 50.55(e) Reportable Condition Relating to indications
revealed in Site radiographs of piping spools which were
previously accepted
File: 81-019-026; D.4.33.2

Reference: (1) Telephone conversation between G. S. Spencer and
B. S. Kaplan on January 27, 1981 (DER 81-2)
(2) Interim Report, ANPP-17369-BSK/JAR, dated February 26,
1981

Dear Sir:

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

During the course of installation of piping spools in the containment and
auxiliary buildings, radiographs taken inadvertently revealed indications
in site radiographs of piping spools 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, Jr.
APS Vice President,
Nuclear Projects
ANPP Project Director

1b
Attachments
cc: (see attached)

B019
S
1/1

8104280336

5

A large, abstract, black and white photograph of a dense crowd of people, possibly at a protest or rally, with many individuals raising their hands or holding up objects. The image is high-contrast and grainy, with many dark shapes against a lighter background, creating a sense of movement and chaos. The people are mostly seen from the back or side, and their features are not clearly defined. The overall composition is a dense, textured mass of figures.

USNRC, Region V
Page 2

ANPP-17797-BSK/JAR
April 20, 1981

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 UNITS 2 and 3

I. Description of Deficiency

- A. An 8" piping spool identified as SG-008-DLBB-004 was installed in the Containment Building, and during the course of installation a radiographic examination (RT) revealed a line image which could be interpreted to be incomplete fusion (LF) (NCR P-C-1968). This RT was inadvertently performed on the Pullman Power Products circumferential weld "B" rather than on a Bechtel repair weld made adjacent to weld "B." This defect was evaluated by Bechtel as not acceptable per the requirements of ASME Section III, NC 5320(a). Pullman radiograph was pulled from the vault for review and an image in the same location was noted as an ID surface mechanical indication. The indication had been accepted by Pullman apparently after performing an ID surface repair operation.

A subsequent review by Bechtel's Material & Quality Services (M&QS) group could not determine whether the reported condition is the "grind-out" as a result of a Pullman surface repair or whether it is an LF which appears on the original supplier RT and additional Bechtel RT. In any case, this very faint indication is interpreted by M&QS to be LF, probably on or very near to the ID (based on the above discussion). A subsequent UT examination by M&QS indicated this condition to be not recordable to ASME XI based on low amplitudes (5 - 20% DAC).

Further review was conducted in a meeting between Bechtel Project Engineering, Bechtel M&QS, and Pullman in which the various radiographs were reviewed and evaluated by Level III personnel from both M&QS and Pullman. The results of this evaluation are as follows:

- The indication is questionable in nature.
- The indication is very small.
- The film image is faint and could be easily missed or misinterpreted.
- This is an isolated case since several thousand Pullman welds have been examined during the Preservice Examination Program and to date this is the first Pullman weld to be evaluated as potentially reportable.

- B. A 10" piping spool, supplied by Pullman Power Products, identified as SI-079-FCBA-S003 was installed in the Auxiliary Building, and during the course of installation Radiographic Examination revealed

some porosity in the seam weld (NCR P-A-1951). This defect would be considered unacceptable by ASME III RT acceptance criteria. However, it has been verified that the pipe material is the SA 312 "welded without filler metal" variety and the supplier documentation contains an acceptable UT data report. For this type of material, supplier UT is an acceptable examination method by ASME III, NC-2500 and additional RT during or after installation is not required. Code Interpretation III-1-78-189 states that this longitudinal seam should be considered as base material and therefore examined and evaluated to NC-2500. Since UT was the original examination method and the weld was acceptable, it need not comply with RT evaluation criteria from NC-5000.

Another similar NCR (P-A-2111) has been initiated using RT inspection criteria as described above and will be dispositioned in the same manner as NCR P-A-1951.

II. Analysis of Safety Implication

- A. The 8" piping spool indication is considered to be not reportable since as demonstrated in I.A the indication if left uncorrected would not affect the safe operation of the system and is completely acceptable to ASME XI criteria.
- B. The 10" piping spool indication and other similar conditions are considered to be not reportable since if they had not been detected they would not have represented safety significant conditions.

III. Corrective Action

- A. To remove any question as to differing interpretations, the 8" piping spool indication will be repaired to fully comply with the ASME III RT acceptance criteria.
- B. The 10" piping spool NCR and other referenced NCR will be dispositioned as not requiring any repair.

100-100000



100-100000