

Arizona Public Service Company

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REGION V

July 22, 1983
ANPP-27368-BSK/RQT

U. S. Nuclear Regulatory Commission
Region V
Creskide Oaks Office Park
1450 Maria Lane - Suite 210
Walnut Creek, CA 94596-5368

Attention: Mr. D. M. Sternberg, Chief
Reactor Projects Branch 1

Subject: Interim Report - DER 83-37
A 50.55(e) Potentially Reportable Deficiency Relating to
Missed Factory Operations On Unit 3 Steam Generator #2.
File: 83-019-026; D.4.33.2

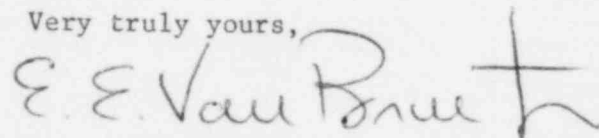
Reference: Telephone Conversation between A. D'Angelo and R. Tucker
on June 28, 1983.

Dear Sir:

The NRC was notified of a potentially reportable deficiency in the referenced telephone conversation. At that time, it was estimated that a determination of reportability would be made within thirty (30) days.

Due to the extensive investigation and evaluation required, an Interim Report is attached. It is now expected that this information will be finalized by November 1, 1983, at which time a complete report will be submitted.

Very truly yours,



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

EEVBJr./RQT:rb
Enclosure

cc: See Page Two

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U. S. Nuclear Regulatory Commission
Page Two

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Washington, D. C. 20555

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INTERIM REPORT - DER 83-37
POTENTIAL REPORTABLE DEFICIENCY
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNIT 3

I. Potential Problem

NCR ZC-010

Entry into Steam Generator #2 disclosed CE Chattanooga delivered the item with missed factory operations.

Dryer Region Upper Side

There are twelve (12) nuts that do not have full thread engagement from the bolts that come up from the bottom of the dryer support beams.

The two (2) steam outlet nozzles have low pressure taps that have stainless steel elbows seal welded to the I.D. of the nozzels. The welds are cracked approximately one-half (1/2) way around each fitting.

Inspection of channel/beam fillet welds revealed twenty-one (21) have crater cracking.

Approximately 50% of the lock washers used in bolting dryers to channels do not have solid backing behind the locking joint.

On one (1) beam, piece #273-350IL, there is a 6" long cut that appears to be a false start on cutting the beam.

Approximately 50% of the nuts, piece #273-3503, that go between the dryer assemblies have been installed backwards.

Two (2) bolts, piece 273-3511, were found not to be tight against the support beam.

While removing the steam separators, eight (8) of the orifice plates were found to be loose.

Dryer deck area is not clean, appears debris was generated during fitup and welding of steam outlet piping.

Two (2) steam dryer corner welds were found to be separated from base metal.

These problems would have gone undetected had it not been for entry to perform this inspection.

NCR ZC-012

Inspection of the secondary side of steam generator #1 disclosed the following discrepancies related to C-E factory operations.

Dryer Deck

Two (2) arc strikes were found on the vessel wall. One strike approximately 1/4" in diameter. The other is an arc strike "trail" 1/16 wide approx. 3" long. Both are surface indications with no burn-in depth.

Nine (9), 1/2" hex nuts, PC# 273-3503 section F-F on Dwg. 271-020, are not tack welded.

Three (3) arc strikes were found on the steam outlet nozzle projections Maximum of 1/8" diameter with no depth.

Some areas of the dryer deck were not clean. A large amount of burned paper was found under the steam outlet nozzles. This material was used during field welding of the steam piping.

CAN DECK

Inspection of the channel/beam fillet welds seam, #2006-271 revealed 36 with crater cracking. Also, one (1) weld has cracking that extends the entire length of the weld.

Nine (9) dryer drain pipes are loose.

Weld #1503-271 on PC# 286-228, (feedwater "candy cane" coupling) is missing. The candy canes are loose at the coupling and will require tightening prior to making the tack weld.

Approximately 50% of the lockwashers used in bolting dryers to channels will have to be rotated to have a solid backing behind the locking joint. In addition, several of the slotted holes have been enlarged leaving insufficient plate on which to seat the washer.

One steam dryer weld (3206-273) was found separated.

On Dwg. 79273-271-021, Detail "U", weld #2101-271 is missing.

One area approx. 6" square of weld splatter located on vessel wall. The area is at the 180° end of the first beam inside the 90° manway.

Cleanliness of the can deck area is inadequate. The primary concern is beneath the steam dryers. These areas have unacceptable accumulations of dust and foreign material.

II. Approach To And Status Of Proposed Resolution

Bechtel engineering is corresponding with C-E engineering to obtain reportability disposition and technical justification for the corrective action.

III. Projected Completion Of Corrective Action And Submittal Of The Final Report.

Evaluation of this condition and submittal of the final report is forecast to be completed by November 1, 1983.