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MAY 3 1983

ANPP-23641-RQT/BSK

REGION V

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

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

Subject: Interim Report, Revision 1 - DER 82-76
A 50.55(e) Potentially Reportable Deficiency Relating
to Target Rock Valves Do Not Meet Specifications/Test
Requirements
File: 83-019-026
D.4.33.2

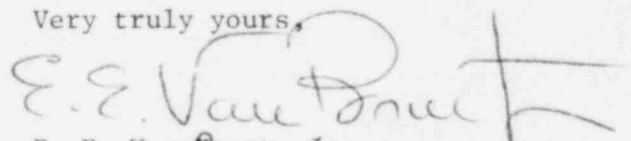
Reference: (A) Telephone Conversation between P. Narbut and
G. Duckworth on November 24, 1982
(B) ANPP-22590, dated December 23, 1982 (Interim Report)
(C) ANPP-23223, dated March 10, 1983 (Time Extension)

Dear Sir:

The NRC was notified of a Potentially Reportable Deficiency in Reference (A), an Interim Report was transmitted by Reference (B) and a Time Extension was requested by Reference (C). At that time, it was estimated that a Final Report would be available by May 15, 1983.

Due to the extensive investigation and evaluation required, a revised Interim Report is attached. It is now expected that this information will be finalized by August 23, 1983, at which time a complete report will be submitted.

Very truly yours,



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

50-528,529,530

EEVBJr/RQT:skc

Attachment

cc: See Page 2

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PDR ADOCK 05000528
S PDR

IE-27

Mr. D. M. Sternberg, Chief
ANPP-23641-RQT/BSK
May 3, 1982
Page 2

cc: Richard DeYoung, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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INTERIM REPORT, REVISION 1 - DER 82-76
POTENTIAL REPORTABLE DEFICIENCY
ARIZONA PUBLIC SERVICE COMPANY (APS)
PVNGS UNITS 1, 2 AND 3

I. Potential Problem

Four (4) Target Rock Valves procured by Combustion Engineering (CE) and delivered to PVNGS were returned to CE for additional qualification testing in accordance with NUREG-0588. For this program, two (2) one-inch (1") Target Rock Model 77L-001 and two (2) two-inch (2") Target Rock Model 77L-003 Solenoid Valves were received. These Valves were intended for use as the Safety Injection Tank Vent Valves (Model 77L-001) and as the Pressurizer Auxiliary Spray Valves (Model 77L-003).

Inspections conducted prior to the test programs as well as the results of the test program itself revealed a large number of anomalies including:

- a. Insulating Washer Incorrectly Installed
- b. O-Ring Seals and Rubber Grommets Missing
- c. Electrical Short in the Solenoid Leads
- d. Lead Wires Damaged
- e. Valve Unable to Seat Properly Due to Soft Seat Ring Coming Out of Retention Groove
- f. Limit Switch Valve Position Indicator Failures

CE has filed a 10CFR Part 21 Report concerning the above defects.

II. Approach To and Status Of Proposed Resolution

The following resolution plan is summarized from CE Letters V-CE-18152, dated March 22, 1983 and V-CE-18162, dated March 23, 1983:

1. CE is continuing their efforts with the environmental qualification of the subject Valves. Test Plan CE No. TP-ESE-011, Revision 2, (the Target Rock Environmental Test Plan) has been superseded by Test Plan CE No. TP-ESE-024, Revision 1. Bechtel has reviewed the revised test plan document in accordance with Internal Procedure No. 5.22 and returned it to CE with comments.
2. As an alternative, CE is performing an investigation into the procurement of other Valves as replacements for the Target Rock Valves.

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 August 23, 1983.