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July 7, 1981

ANPP-18335 - JMA/WFQ



Mr. R. H. Engelken, Director
U.S. Nuclear Regulatory Commission
Region V
202 Walnut Creek Plaza
1990 N. California Boulevard
Walnut Creek, California 94591

Subject: NRC I&E Bulletin No. 81-02
Failure of Gate Type Valves to
Close Against Differential
Pressure
File: D.4.01.1; 81-055-026

Dear Mr. Engelken:

In regards to the referenced Bulletin, the design of each Palo Verde Nuclear Generating unit uses two safety injection system valves that are associated with this Bulletin; SI604 and SI609. These are motor-operated valves supplied by Borg-Warner, NVD P/N 77910.

Borg-Warner NVD was contacted and undertook to test the valves to the PVNGS design criteria. The attachment is the supplemental test report results which were prepared by Borg-Warner in response to this Bulletin.

Please note that Borg-Warner Valve P/N 77910 is the same as P/N 79190, except for the weld preparation. The actual tests were conducted on the 79190 valve by AETL. Their report 548-9142 dated May 8, 1981 is also attached.

The results of the test conducted in response to the concerns raised in the Bulletin demonstrated that the valve assembly successfully passed the flow interruption tests, resulting in zero leakage/5 minutes in the normal flow direction; the valve fully closed after the test conditions, therefore, no corrective action is required for the Palo Verde Nuclear Generating Station.

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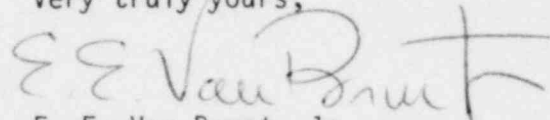
81-115

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Approximately 80 manhours were expended in review and preparation of our response to this Bulletin.

Please contact me if you have any questions.

Very truly yours,



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

EEVBJr/WFQ/av
Attachment

cc: J. Kerrigan
P. Hourihan
B. Myerson (w/attach.)
A. C. Gehr
W. H. Wilson
J. A. Roedel