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ACCESSION NBR: 8203300222 DOC DATE: 82/03/25 NOTARIZED: YES DOCKET #  
 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publ 05000528  
 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publ 05000529  
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publ 05000530

AUTH NAME AUTHOR AFFILIATION  
 VAN BRUNT, E.E. Arizona Public Service Co.  
 RECIP NAME RECIPIENT AFFILIATION  
 TEDESCO, R.L. Assistant Director for Licensing

SUBJECT: Forwards, "Probabilistic Risk Assessment of Tornado Missile  
 Damage to Station UHS," in response to NUREG-0857. *CCG Rpt*

DISTRIBUTION CODE: B0015 COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2450  
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NOTES: Standardized Plant 1 cy: C Grimes 05000528  
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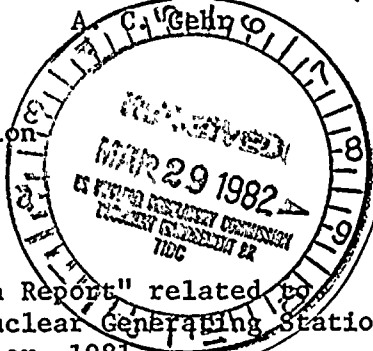
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March 25, 1982  
ANPP-20538 - JMA/KEJ

Mr. R. L. Tedesco  
Assistant Director of Licensing  
Division of Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

cc: E. Licitra (w/a)  
J. Wermiel (Enclosure 2 only)  
C. Grimes (Enclosure 2 only)  
P. L. Hourihan (w/a)  
R. L. Greenfield (w/a)

Subject: Palo Verde Nuclear Generating Station  
(PVNGS) Units 1, 2 and 3  
Docket Nos. STN-50-528/529/530  
File: 82-056-026; G.1.10



- References: (1) NUREG-0857, "Safety Evaluation Report" related to the operation of Palo Verde Nuclear Generating Station Units 1, 2 and 3, dated November, 1981  
(2) Letter from E. E. Van Brunt, Jr., APS to R. L. Tedesco, NRC, dated August 18, 1981, subject: Response to Open Item from Auxiliary Systems Independent Design Review

Dear Mr. Tedesco:

Please find attached our response to the Reference 1, Section 9.2.5 (pg. 9-15) concern regarding the lack of tornado missile protection for the essential spray pond spray nozzles.

A meeting was held between the NRC and APS on December 8, 1981 discussing this concern. It was agreed at that meeting that APS would (1) formally submit the probabilistic risk assessment of tornado missile damage to the PVNGS ultimate heat sink and (2) provide a description of how the plant could adequately provide core cooling assuming loss of the UHS.

Enclosure 1 is a probabilistic risk assessment of tornado missile damage to the PVNGS ultimate heat sink, Bechtel Study No. 13-NS-108. Enclosure 2 is a description of extended/alternate sources of auxiliary feedwater for PVNGS.

Please contact me if you have additional questions.

Very truly yours,

*E. E. Van Brunt*

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

Boo!  
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EEVBjr/KEJ/av  
Attachment

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19. 11. 1941  
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STATE OF ARIZONA )  
 ) ss.  
COUNTY OF MARICOPA)

I, Edwin E. Van Brunt, Jr., represent that I am Vice President Nuclear Projects of Arizona Public Service Company, that the foregoing document has been signed by me on behalf of Arizona Public Service Company with full authority so to do, that I have read such document and know its contents, and that to the best of my knowledge and belief, the statements made therein are true.

Edwin E. Van Brunt  
Edwin E. Van Brunt, Jr.

Sworn to before me this 25<sup>th</sup> day of March, 1982.

James D. Looney  
Notary Public

My Commission expires:

May 21, 1983