



ENCLOSURE 2 OF THIS LETTER AND ITS ATTACHMENTS  
(EXCEPT ATTACHMENT 2-F) CONTAIN PROPRIETARY  
INFORMATION AND SHOULD BE WITHHELD FROM PUBLIC  
DISCLOSURE UNDER 10 CFR 2.390  
*A subsidiary of Pinnacle West Capital Corporation*

Palo Verde Nuclear  
Generating Station

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102-05213-DMS/SAB/GAM  
February 15, 2005

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Dear Sirs:

**Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Units 1, 2 and 3  
Docket Nos. STN 50-528, 50-529, and 50-530  
Safety Significance Evaluation of ECCS Containment Sump Voided  
Piping**

In letter no. 102-05195, dated December 27, 2004, Arizona Public Service Company (APS) submitted to the NRC a Preliminary Safety Significance Evaluation of ECCS Containment Sump Voided Piping for PVNGS. The safety significance evaluation of ECCS containment sump voided piping has recently been completed, and is being provided as a proprietary report in Enclosure 2. APS requests the information in Enclosure 2 and its attachments (except Attachment 2-F) be withheld from public disclosure because of its commercial value to APS. The affidavit required by 10 CFR 2.390 is included as Enclosure 1.

The enclosed Evaluation is being provided to the NRC for consideration in determining the significance of the inspection findings in NRC Special Inspection Report 05000528/2004014; 05000529/2004014; 05000530/2004014, dated January 5, 2005.

There are no commitments in this letter. Should you have any questions, please contact Mr. Scott A. Bauer (623) 393-5978.

Sincerely,

DMS/SAB/GAM

APO 1

A member of the STARS (Strategic Teaming and Resource Sharing) Alliance

Callaway ☐ Comanche Peak ☐ Diablo Canyon ☐ Palo Verde ☐ South Texas Project ☐ Wolf Creek

Enclosures:

1. Affidavit for Information Sought to be Withheld from Public Disclosure
2. Safety Significance Evaluation of ECCS Containment Sump Voided Piping (Proprietary)

Attachment 2-A: FAI/04-65, Revision 0, Test Report for Phase 1 of Experimental Investigation of Post RAS Air Intrusion into ECCS Suction Piping for Palo Verde Nuclear Generating Station (Proprietary)

Attachment 2-B: FAI/04-86, Revision 0, Test Report for Phase 2 of Experimental Investigation of Post RAS Air Intrusion Into ECCS Suction Piping for Palo Verde Nuclear Generating Station (Proprietary)

Attachment 2-C: Test Report 10530R01 Test Report for Testing of a CA Pump and WDF Pump with a Void Fraction Inlet Fluid Condition (Proprietary)

Attachment 2-D: FAI/05-06, Revision 0, Summary Report of MAAP4 LOCA Analysis in Support of Past Operability Assessment of Degraded HPSI Performance During Containment Recirculation at Palo Verde (Proprietary)

Attachment 2-E: DAR-OA-05-3, Revision 0, Report of SBLOCA Analyses with Degraded ECCS Flow After RAS Performed for Arizona Public Service in Support of Palo Verde Nuclear Generating Station Units 1, 2, and 3 (Proprietary)

Attachment 2-F: 13-NS-C074, Revision 0. Significance Determination of Containment Sump Air Entrainment

cc:	B. S. Mallet A. T. Howell III, G. G. Warnick M. B. Fields	NRC Region IV Regional Administrator (all w/enclosures) Director, Division of Reactor Projects, NRC Region IV NRC Senior Resident Inspector for PVNGS NRC NRR Project Manager
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**ENCLOSURE 1**

**Affidavit for Information Sought to be Withheld from Public  
Disclosure**

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the matter of	)	10 CFR § 2.390
	)	
Palo Verde Nuclear Generating Station	)	Docket Nos. 50-528
Units 1, 2 & 3	)	50-529
	)	50-530

AFFIDAVIT

I, David M. Smith, Plant Manager, Nuclear Production, Palo Verde Nuclear Generating Station (PVNGS), do hereby affirm and state:

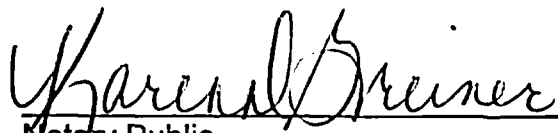
1. I am authorized to execute this affidavit on behalf of Arizona Public Service Company (APS).
2. APS is providing a copy of this Safety Significance Evaluation of ECCS Containment Sump Voided Piping and its attachments to the NRC in order to facilitate the NRC's inspection activities related to the NRC's review of the potential impact of an air void inside a section of piping in systems used to provide emergency cooling in the unlikely event of an accident at the plant. The development of the Safety Significance Evaluation of ECCS Containment Sump Voided Piping and its attachments (except Attachment 2-F) by APS and its vendors contains data, analysis, methodology and other information that is the proprietary confidential intellectual property of APS. Therefore, the Safety Significance Evaluation of ECCS Containment Sump Voided Piping and its attachments (except Attachment 2-F) constitutes proprietary commercial information that should be held in confidence from regulatory agencies of other countries and from the public by the NRC pursuant to the policy reflected in 10 CFR §§ 2.390(a)(4) and 9.17(a)(4), because:
  - i. The information sought to be withheld from public disclosure is owned and has been held in confidence by APS and associated companies who participated in developing this information for APS.
  - ii. This information is of a type that is customarily held in confidence by APS, and there is a rational basis for doing so because the information contains the proprietary confidential intellectual property of APS.

- iii. This information is being transmitted to the NRC in confidence.
- iv. The information is not available in public sources or available information has not been previously employed in the same original manner or method to the best of my knowledge and belief.
- v. Public disclosure of this information would create substantial harm to the competitive position of APS by disclosure of APS' proprietary confidential intellectual property. Disclosure of this information to regulatory agencies in other countries would also create substantial harm to the competitive position of APS by disclosing information to governments with ownership and interest in competitors.

  
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David M. Smith

STATE OF ARIZONA     )  
                                  ) ss.  
COUNTY OF MARICOPA )

Subscribed and sworn to before me, a Notary Public, this 15<sup>th</sup> Day  
of February, 2005, in and for the State of Arizona, by David M. Smith.

  
\_\_\_\_\_  
Notary Public

My Commission Expires:

August 28, 2008

