

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9007050037 DOC.DATE: 90/06/26 NOTARIZED: NO DOCKET #  
 FACIL:STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528  
 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529  
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530

AUTH.NAME AUTHOR AFFILIATION  
 CONWAY,W.F. Arizona Public Service Co. (formerly Arizona Nuclear Power  
 RECIP.NAME RECIPIENT AFFILIATION  
 Document Control Branch (Document Control Desk)

SUBJECT: Provides addl reply to violations noted in Insp Rept  
 50-528/89-16,per 891114 ltr.

DISTRIBUTION CODE: IE01D COPIES RECEIVED:LTR 1 ENCL 0 SIZE: 2  
 TITLE: General (50 Dkt)-Insp Rept/Notice of Violation Response

### NOTES:

Standardized plant.  
 Standardized plant.

05000528  
 05000529  
 05000530

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID CODE/NAME		LTTR	ENCL		ID CODE/NAME		LTTR	ENCL
	PD5 PD		1	1		PETERSON,S.		1	1
	CHAN,T		1	1					
INTERNAL:	ACRS		2	2		AEOD		1	1
	AEOD/DEIIB		1	1		AEOD/TPAD		1	1
	DEDRO		1	1		NRR MORISSEAU,D		1	1
	NRR SHANKMAN,S		1	1		NRR/DLPQ/LPEB10		1	1
	NRR/DOEA DIR 11		1	1		NRR/DREP/PEPB9D		1	1
	NRR/DRIS/DIR		1	1		NRR/DST/DIR 8E2		1	1
	NRR/PMAS/ILRB12		1	1		NUDOCS-ABSTRACT		1	1
	OE DTR		1	1		OGC/HDS1		1	1
	REG FILE 02		1	1		RGN5 FILE 01		1	1
EXTERNAL:	LPDR		1	1		NRC PDR		1	1
	NSIC		1	1					
NOTES:			1	1					

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,  
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION  
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 26 ENCL 260



Arizona Public Service Company

P.O. BOX 53999 • PHOENIX, ARIZONA 85072-3999

WILLIAM F. CONWAY  
EXECUTIVE VICE PRESIDENT  
NUCLEAR

102-01757-WFC/TRB/JJN

June 26, 1990

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Reference: Letter from W. F. Conway, Executive Vice President Nuclear, Arizona Public Service, to Document Control Desk, NRC, dated November 14, 1989

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Unit 1, 2, and 3  
Docket No. STN 50-528 (License No. NPF-41)  
Docket No. STN 50-529 (License No. NPF-51)  
Docket No. STN 50-530 (License No. NPF-74)  
Addendum to Reply to Notice of Violation 50-528/89-16-03  
File: 90-070-026

This letter provides an update on the actions taken to date and those actions planned to revise the operational procedures for shutdown cooling and midloop operations. As stated in the referenced letter, testing was conducted in Units 1 and 3 to determine actual flow conditions in the Reactor Coolant System (RCS) and Shutdown Cooling System (SDC). This testing has been performed in Unit 2 during the current refueling outage. In addition, the scale model testing to study the vortex and air entrainment phenomena is complete.

APS is now analyzing the data which was obtained during testing. The results of this analysis will be used to modify the operational procedures. The analysis is expected to be completed by August 1, 1990.

The vortex and air entrainment phenomena are highly dependent on the SDC flow and RCS level. Technical Specifications (TS) require a minimum of four thousand gallons per minute. At this flow rate during midloop operation, testing shows that the margin to vortexing and air entrainment is low. Consequently, APS intends to request an amendment to the TS which would permit a lower flow rate. This request is expected to be submitted in October, 1990.

LEOl  
110



NRC Document Control Desk  
Page 2

102-01757-WFC/TRB/JJN  
June 26, 1990

Should you have any questions regarding this response, please contact me.

Very truly yours,



WFC/TRB/JJN/tlg

Attachments

cc:	J. B. Martin	A. H. Gutterman
	D. H. Coe	T. L. Chan
	A. C. Gehr	

