

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8412200174 DOC.DATE: 84/12/18 NOTARIZED: YES 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  
 VAN BRUNT,E.E. Arizona Public Service Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 KNIGHTON,G.W. Licensing Branch 3

SUBJECT: Clarifies radwaste sys & ALARA procedures.Backflushable  
 purification sys filter & crud subsystem changed to  
 disposable cartridge filter to meet 10CFR61 criteria.

DISTRIBUTION CODE: B001D COPIES RECEIVED:LTR 1 ENCL L SIZE: 3  
 TITLE: Licensing Submittal; PSAR/FSAR Amdts & Related Correspondence

NOTES:Standardized plant. 05000528  
 Standardized plant. 05000529  
 Standardized plant. 05000530

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	NRR/DL/ADL	1 0	NRR LB3 BC	1 0
	NRR LB3 LA	1 0	LICITRA,E 01	1 1
INTERNAL:	ACRS 41	6 6	ADM/LFMB	1 0
	ELD/HDS3	1 0	IE FILE	1 1
	IE/DEPER/EPB 36	1 1	IE/DEPER/IRB 35	1 1
	IE/DQASIP/QAB21	1 1	NRR ROE,M,L	1 1
	NRR/DE/AEAB	1 0	NRR/DE/CEB 11	1 1
	NRR/DE/EHEB	1 1	NRR/DE/eqB 13	2 2
	NRR/DE/GB 28	2 2	NRR/DE/MEB 18	1 1
	NRR/DE/MTEB 17	1 1	NRR/DE/SAB 24	1 1
	NRR/DE/SGEB 25	1 1	NRR/DHFS/HFEB40	1 1
	NRR/DHFS/LQB 32	1 1	NRR/DHFS/PSRB	1 1
	NRR/DL/SSPB	1 0	NRR/DSI/AEB 26	1 1
	NRR/DSI/ASB	1 1	NRR/DSI/CPB 10	1 1
	NRR/DSI/CSB 09	1 1	NRR/DSI/ICSB 16	1 1
	NRR/DSI/METB 12	1 1	NRR/DSI/PSB 19	1 1
	NRR/DSI/RAB 22	1 1	NRR/DSI/RSB 23	1 1
	REG FILE 04	1 1	RGNS	3 3
	RM/DDAMI/MIB	1 0		
EXTERNAL:	BNL (AMDTs ONLY)	1 1	DMB/DSS (AMDTs)	1 1
	FEMA-REP DIV 39	1 1	LPDR 03	1 1
	NRC PDR 02	1 1	NSIC 05	1 1
	NTIS	1 1	PNL GRUEL,R	1 1

THE UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WASHINGTON, D. C. 20250

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## Arizona Public Service Company

ANPP-31519-EEVB/WFQ/TFQ  
December 18, 1984

Director of Nuclear Reactor Regulation  
Mr. George W. Knighton, Chief  
Licensing Branch No. 3  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Units 1, 2, and 3  
Docket Nos. STN 50-528/529/530  
Radwaste Systems and ALARA  
File: 84-056-026; G.1.01.10

- References:
- (1) Letter from E. E. Van Brunt, Jr., APS, to G. W. Knighton, NRC, dated December 10, 1984 (ANPP-31414); Subject: PVNGS FSAR Update Radwaste Systems and Effluent Streams.
  - (2) Letter from E. E. Van Brunt, Jr., APS, to G. W. Knighton, NRC, dated December 10, 1984 (ANPP-31397); Subject: PVNGS FSAR Update - Radiation Protection Design Features.

Dear Mr. Knighton:

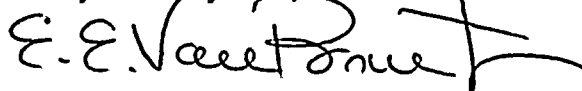
As a result of discussions with your staff on December 18, 1984, APS is providing additional information to clarify the referenced letters.

Reference (1) indicates that the backflushable purification filter and crud subsystem has been changed to a disposable cartridge filter in order to meet 10 CFR 61 criteria. The new purification cartridge filter will be handled in the same manner as the existing purification cartridge filter (the old design has one backflushable and one cartridge purification filter). The cartridges will be handled remotely as described in FSAR Sections 12.1.2.3.2.I and 12.3.1.1.1.1 by the use of shielded handling system. ALARA is maintained as the operator is never exposed to unattenuated radiation from the cartridge.

Reference (2) indicates that a single set of graphite based packing is used in place of double packing on larger valves. The graphite packs are considered superior to conventional packings in the respect that the use of graphite yarn provides a continuous run around the valve that avoids the split encountered with other packings. Also, grafoil packings conform to the opening better, thereby reducing the potential for leakage. Accordingly, leakage remains minimal with the change to graphite based packings.

If you have any further questions, please contact Mr. William Quinn of my staff.

Very truly yours,



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

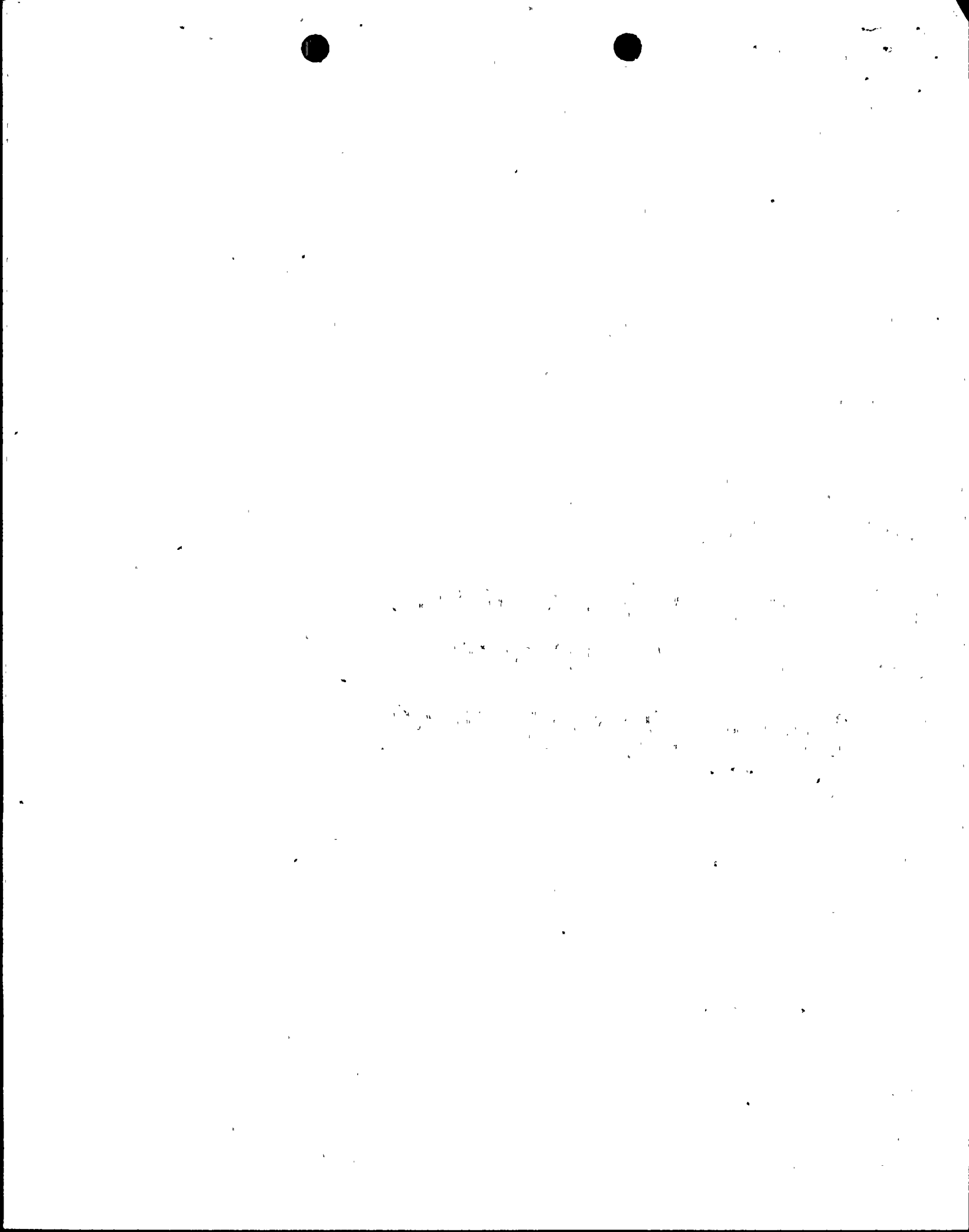
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Handwritten marks and symbols in the top right corner, including a small 'L' and several dots.

Mr. G. W. Knighton  
Radwaste Systems and ALARA  
ANPP- 31519  
Page 2

cc: E. A. Licitra  
A. C. Gehr  
R. P. Zimmerman



STATE OF ARIZONA )  
                          ) ss.  
COUNTY OF MARICOPA)

I, Edwin E. Van Brunt, Jr., represent that I am Vice President, Nuclear Production of Arizona Public Service Company, that the foregoing document has been signed by me on behalf of Arizona Public Service Company with full authority to do so, 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, Jr.*  
Edwin E. Van Brunt, Jr.

Sworn to before me this 18<sup>th</sup> day of December, 1984.

*Frene C. Clausen*  
Notary Public

My Commission Expires:

My Commission Expires Nov 12, 1988



