

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8401270277 DOC. DATE: 84/01/25 NOTARIZED: YES DOCKET #
 FACIL: STN=50-528 Palo Verde Nuclear Station, Unit 1, Arizona Public 05000528
 STN=50-529 Palo Verde Nuclear Station, Unit 2, Arizona Public 05000529
 STN=50-530 Palo Verde Nuclear Station, Unit 3, Arizona Public 05000530
 AUTH. NAME: AUTHOR AFFILIATION
 VANBRUNT, E.E. Arizona Public Service Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 KNIGHTON, G. Licensing Branch 3

SUBJECT: Forwards response to 831206 ltr transmitting facility
 staffing survey.

DISTRIBUTION CODE: M0038 COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 10
 TITLE: Operator Requalification Program

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 LB3 BC		1	1	LICITRA, E.		1	1
INTERNAL: NRR/DHFS/LQB		1	1	NRR/DHFS/OLB 01		2	2
<u>REG FILE</u> 04		1	1	RGN5		1	1
EXTERNAL: ACRS 08		10	10	LPDR 03		1	1
NRC PDR 02		1	1	NSIC 05		1	1
NTIS		1	1				

1. The first part of the report is a general statement of the purpose and scope of the study. It is followed by a brief review of the literature on the subject. The second part of the report is a description of the methods used in the study. This includes a description of the subjects, the instruments used, and the procedures followed. The third part of the report is a presentation of the results of the study. This is followed by a discussion of the results and their implications. The final part of the report is a conclusion and a list of references.

2. The second part of the report is a description of the methods used in the study. This includes a description of the subjects, the instruments used, and the procedures followed.

3. The third part of the report is a presentation of the results of the study. This is followed by a discussion of the results and their implications. The final part of the report is a conclusion and a list of references.

4. The fourth part of the report is a conclusion and a list of references. The conclusion summarizes the findings of the study and discusses their implications. The list of references includes all the sources cited in the report.

Subject		Instrument		Procedure		Results	
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5

Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

January 25, 1984
ANPP-28695 - WFO/NEM

Director of Nuclear Reactor Regulation
Attention: Mr. George 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
File: 84-056-026; G.1.01.10

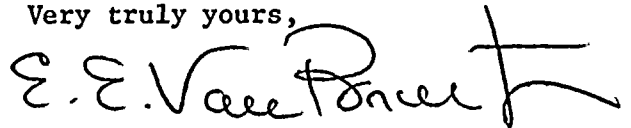
Reference: Letter from G. W. Knighton, (NRC), to E. E. Van Brunt, Jr.,
(APS), dated December 6, 1983, regarding Facility Staffing
Survey - Palo Verde.

Dear Mr. Knighton:

Attached is APS's response to the referenced survey.

If you have further questions, please contact me.

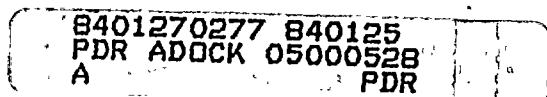
Very truly yours,



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

EEVB/NEM/sp
Attachment

cc: E. Licitra (w/a)
A. C. Gehr "



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MOOB



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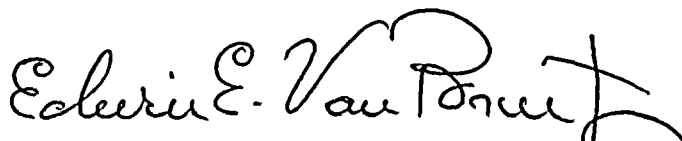
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STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, Edwin E. Van Brunt, Jr., represent that I am Vice President, Nuclear, 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.

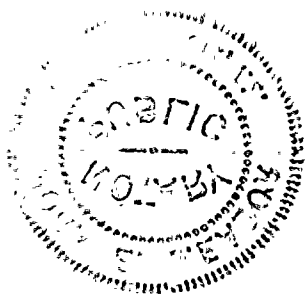

Edwin E. Van Brunt, Jr.

Sworn to before me this 24th day of January, 1984.


Notary Public

My Commission Expires:

My Commission Expires April 6, 1987



FACILITY STAFFING SURVEYPLANT Unit 1 Palo VerdeAnticipated Licensing Date 03/84

A. OPERATING SHIFT

1. Number of Shifts

2. Number of ROs Assigned to Shift Work

Number of Years of Commercial RO
Experience on Hot Plants (Post-
Initial Criticality)

BWR

PWR

3. Number of SROs Assigned to Shift Work

Number of Years of Commercial RO
Experience on Hot Plants

BWR

PWR

Number of Years of Commercial SRO
Experience on Hot Plants

NON-ENG

ENG

4. Number of SROs with 4-Year Degrees

5. Number of Shift Supervisors (SS)

NOTE: SS is senior authority on shift work.

* These areas are staffed in excess of minimums, in accordance with commitments made in Chapter 13 of the FSAR, but all personnel are licensed on Unit 1. When Units 2 and 3 are licensed, sufficient personnel will be hired or transferred to those units to ensure that the operating crews have a satisfactory mix of previously licensed personnel and newly licensed personnel.

NOTE: Additional Operating Staff is in license training, scheduled to take examinations prior to fuel load, and will have additional experience.

THE
OFFICE OF THE
ATTORNEY GENERAL
STATE OF NEW YORK
ALBANY

IN SENATE,
January 11, 1911.

REPORT
OF THE
ATTORNEY GENERAL,
JAMES C. HENRY,
IN RESPONSE TO
A RESOLUTION PASSED
BY THE SENATE,
JANUARY 11, 1910,
RELATIVE TO THE
PROCEEDINGS OF THE
COMMISSIONERS OF THE
LAND OFFICE,
IN CONNECTION WITH
THE SALE OF THE
LANDS BELONGING
TO THE STATE.

ALBANY:
J. B. LIPPINCOTT & CO.,
PRINTERS,
1911.

FACILITY STAFFING SURVEY (CONT'D)PLANT Unit 1 Palo VerdeAnticipated Licensing Date 03/84

** 6. Number of Shift Supervisors Assigned
to Shift work

6

Number of Years of Commercial RO
Experience on Hot Plants

BWR

PWR

5.6

3

Number of Years of Commercial SRO
Experience on Hot Plants

4.75

1

** These numbers reflect existing staffing and are subject to change
prior to unit licensing.

Additional information requested per telecon with E. A. Licitra PV
Project Manager January 9, 1984.



B. ON-SITE MANAGEMENTUNIT 1

Fill in Table (Use Appropriate Titles)

	STA	Operations Superintendent	Operations Manager	Plant Manager	Maintenance Manager	QA/QC Manager	Technical Support Manager
To have license at time of OL		YES	NO	NO	NO	NO	NO
Previously licensed	A						
RO/SRO		*NO	**NO	#NO	RO/SRO	NO	***NO
Type Plant	SEE ATTACHMENT	NA	NA	NA	PWR	NA	NA
No. Years		↓	↓	↓	9	↓	↓
No. Years "Hot" Exp.		↓	↓	↓	9	↓	↓
Degreed							
Type (Discipline(s))		ME	NE, MATH	EE, NE	NONE	###NONE	NE
Level(A/B/M/D)		B	M, B	##B, M, D	NA	NA	B

*, **, ***, #, ##, ###, SEE ATTACHMENT B

B. ON-SITE MANAGEMENTUNIT 2

Fill in Table (Use Appropriate Titles)

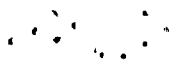
	STA	Operations Superintendent	Operations Manager	Plant Manager	Maintenance Manager	QA/AC Manager	Technical Support Manager
To have license at time of OL		YES					
Previously licensed							
RO/SRO	A	SRO	SEE UNIT 1				
Type Plant	SEE ATTACHMENT A	PWR					
No. Years		1					
No. Years "Hot" Exp.		1					
Degreed							
Type (Discipline(s))		NONE*					
Level (A/B/M/D)		NA					

* This individual is presently enrolled in school in pursuit of a degree.

B. ON-SITE MANAGEMENTUNIT 3

Fill in Table (Use Appropriate Titles)

	STA	Operations Superintendent	Operations Manager	Plant Manager	Maintenance Manager	QA/AC Manager	Technic. Support Manager
To have license at time of OL							
Previously licensed							
RO/SRO	A		SEE UNIT 1				→
Type Plant	SEE ATTACHMENT						
No. Years							
No. Years "Hot" Exp.	SEE ATTACHMENT	VACANT					
Degreed							
Type (Discipline(s))							
Level (A/B/M/D)							↓



ATTACHMENT ASTA/ISEG GROUP

Licensed at OL	Previous RO/SRO	Previous Plant Type	# of Yrs. Experience	# of Yrs. "Hot" Exp.	Degreed	Discipline	De: Le
Y	N		0		Y	Nuc. Engr.	B
Y	N		0		Y	Met. Engr.	B
N	N		0	0	Y	Mech. Engr.	B
N	N		0		Y	Elect. Engr.	B
N	N		0		Y	Physics	B
N	RO	Research RX	0		Y	Nuc. Engr.	B
N	N		0		Y	Nuc. Engr.	M
N	N		0	0	Y	Mech. Engr.	B
N	SRO	PWR	1	1	Y	Mech. Engr.	B
N	N		0		Y	Elect. Engr.	B
Y	N		0		Y	Mech. Engr.	B
N	N		0		Y	Mech. Engr.	B
N	RO/SRO	Research RX	0		Y	Nuc. Engr.	M

Y = YES

N = NO

ATTACHMENT B

- * This individual has worked in various capacities at Mare Island Naval Shipyard for 10 years and will have held his license at Palo Verde for at least 10 months by the time of OI for Unit 1.
- ** This individual has worked for the Palo Verde project in various positions for the past 10 years. He was also Assistant Plant 1 & C Engineer at Rancho Seco (PWR) for 3 years and worked for the Atomic Energy Commission for 2 years. This individual will complete SRO equivalent training program.
- // This individual worked for TVA as Startup Engineer, Shift Test Engineer, Startup and Plant Support Section Supervisor at Browns Ferry (BWR) for 3 years. He also was an assistant plant superintendent at Sequoyah for 2 years. In addition he has met the Tech Spec Requirements for training equivalent to SRO for Assistant Superintendent of Operations and Engineering at Browns Ferry (BWR) for 2 years.
- ## Took preliminary exam for PhD but did not complete the thesis.
- ### This individual has completed numerous courses in the QA/QC area and has worked in the area for the past 27 years.
- *** This individual has worked in various positions for TVA and other utilities at BWRs and PWRs for a period of 8 years.

C. CORPORATE NUCLEAR EXPERIENCE (i.e., "Off-Site" Management)

8 of 8

Position*	NRC Position	Nuc Navy (Years)	Operator Lic (If Ever Held) RO/SRO/None	Years at Oper Nuc Stations (On-Site)	Years at Other Nuc Support/ Management Position (Off-Site)	Degrees Level (A/B/M/D)+	Discipline(s)
Executive Vice President	(VP)	None	None	0	0	B	Electrical Engineering
Vice President, Nuclear	(DIV VP)	None	None	0	3 PWR IN SU-	B M	Mech Eng.; Eng. Science/ Nuc Eng.
Administrative and Technical Support Manager	(TECH SERV MGR)	None	None	0	0	B	Electrical Engineering
Corporate QA/QC	(QC/QA MGR)	None	None	3 1/2	3 1/2 LGR 3 PWR IN SU-	P+ B	Business and Technology
Nuclear Fuel Management Manager	(DIR NUC FUEL SER)	None	Limited SRO	5 1/2 PWR	4 1/2 PWR 3 PWR IN SU-	B	Physics
Nuclear Oper- ations Support Manager	(OPER MGR)	6 Years	None	2 PWR	3 PWR IN SU- 1 PWR/3 BWR	A B	Engineering Science; Nuc Engineering
Nuclear Engineering Manager	(STA NUC ENG MGR)	None	None	0	3 PWR IN SU-	B M	Chemical Eng; Chemical Engineering
Nuclear Safety and Licensing Supervisor	(DIR NUC LIC)	None	None	0	3 PWR IN SU-	B	Structural Engineering
Nuclear Oper- ations Licens- ing Supervisor	(DIR NUC LIC)	None	None	4 PWR	3 PWR IN SU- 3 PWR/1 BWR	B	Nuclear Engineering; Eng. Mgmt
PVNGS Compliance Supervisor	(DIR NUC LIC)	None	None	0	3 PWR IN SU-	B	Nuclear Engineering
N/A	(MAINT MGR)						
N/A	(ASST VP)						
Other							

*Position titles shown are illustrative; please enter appropriate titles.

+Registered Professional Engineer

-Start-Up Palo Verde

°Operating Nuclear Facility

