

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8505100436 DOC.DATE: 85/04/29 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: Corrected confirmation of 850425 telcon re fire fighting requirements in FSAR Section 98.3, including availability of breathing air compressor. Due to delay in compressor installation, FSAR correction needed. Draft FSAR table. encl.

DISTRIBUTION CODE: A006D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: OR Submittal: Fire Protection

NOTES: Standardized plant. 05000528
 OL: 12/31/84
 Standardized plant. 05000529
 Standardized plant. 05000530

RECIPIENT ID CODE/NAME		COPIES LTTR ENCL		RECIPIENT ID CODE/NAME		COPIES LTTR ENCL	
NRR LB3 BC	01	3	3				
INTERNAL: ACRS	11	3	3	ADM/LFMB		1	0
ELD/HDS3		1	0	IE WHITNEY, L		1	1
NRR HOLONICH	07	2	2	NRR WAMBACH	06	1	0
NRR/DE/CEB	09	2	2	NRR/DL DIR		1	1
<u>REG FILE</u>	04	1	1	RGNS		1	1
EXTERNAL: LPDR	03	1	1	NRC PDR	02	1	1
NSIC	05	1	1				

2094

TOTAL NUMBER OF COPIES REQUIRED: LTTR 20 ENCL 17



Arizona Nuclear Power Project

P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

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

Corrected Copy
ANPP-32515-EEVB/WFQ
April 29, 1985

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528(License No. NPF-34)/529/530
Breathing Air Compressor
File: 85-056-026;G.1.01.10

Dear Mr. Knighton:

This will confirm the April 25, 1985 telephone call from D. K. Neal of our staff to Mr. D. J. Kubicki, NRC Fire Protection Reviewer. In the FSAR, Section 9B.3, we indicated that we meet the fire fighting requirements for extra air supply bottles and a minimum 6-hour supply of reserve air. We also stated that "A breathing air compressor is available." This was planned to be in addition to the required air supplies.

This compressor, however, is not installed yet due to currently unresolved installation design engineering questions on its location and the type of structure needed to house it. These questions are being addressed by engineering and, when they are resolved, it is still our desire to install it for convenience rather than buying air from a commercial supplier. The required 6-hour reserve air supply for fire fighting is met with bottled air.

To correct the FSAR, we are hereby submitting a draft of a revised page deleting the sentence "A breathing air compressor is available." Mr. Kubicki indicated that he foresaw no particular problem with this change and would include a statement in an SER supplement covering several other fire protection items to be written soon.

If you have any questions, please contact Mr. W. F. Quinn of my staff.

Very truly yours,

E. E. Van Brunt, Jr.
Executive Vice President
Project Director

EEVB/DKN/slh
Attachment

8505100436 850429
PDR ADDCK 05000528
F PDR

A006
11

Mr. George Knighton
Breathing Air Compressor
ANPP- 32515
Page 2

cc: E. A. Licitra
D. J. Kubicki
R. P. Zimmerman
P. Qualls
A. C. Gehr

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, Edwin E. Van Brunt, Jr., represent that I am Executive Vice President, Arizona Nuclear Power Project, 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 3 day of May, 1985.

Nora E. Meador
Notary Public

My Commission Expires:

My Commission Expires April 6, 1987

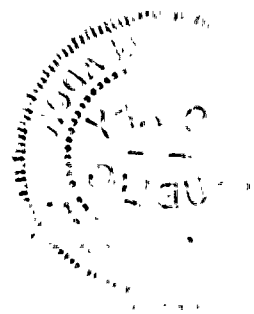


Table 9B.3-1

COMPARISON OF PALO VERDE NUCLEAR GENERATING STATION TO APPENDIX A OF
NRC BRANCH TECHNICAL POSITION APCS 9.5-1 (Sheet 32. of 68)

13

D. GENERAL GUIDELINES FOR PLANT PROTECTION (CONTINUED)

APPLICATION DOCKETED BUT CONSTRUCTION PERMIT NOT RECEIVED AS OF 7/1/76	PLANTS UNDER CONSTRUCTION AND OPERATING PLANTS	PVNGS POSITION AND BASIS FOR NON-COMPLIANCE ITEMS
<p>4. <u>Ventilation</u> (Continued)</p> <p>At least two extra air bottles should be located onsite for each self-contained breathing unit. In addition, an onsite 6-hour supply of reserve air should be provided and arranged to permit quick and complete replenishment of exhausted supply air bottles as they are returned. If compressors are used as a source of breathing air, only units approved for breathing air should be used. Special care must be taken to locate the compressor in areas free of dust and contaminants.</p> <p>(i) Where total flooding gas extinguishing systems are used, area intake and exhaust ventilation dampers should close upon initiation of gas flow to maintain necessary gas concentration. (See NFPA 12, "Carbon Dioxide Systems" and 12A, "Halon 1301 Systems.")</p>	<p>4. <u>Ventilation</u> (Continued)</p> <p>(i) SAME</p>	<p>4. <u>Ventilation</u> (Continued)</p> <p>PVNGS complies by using only "bottled air" for self-contained breathing units. A one-hour air supply is provided for each self-contained breathing unit. Additionally, a minimum 6-hour supply of reserve air is provided and arranged to permit quick and complete replenishment of exhausted air supply bottles.</p> <p>A breathing air compressor is available.</p> <p>(i) Electrothermally actuated dampers are provided for CO₂ total flooding systems in the ESF switchgear room and the battery rooms.</p> <p>Electrothermally actuated dampers are provided for the halon 1301 total flooding system in the communication, computer, and inverter rooms.</p> <p>For both total flooding gas extinguishing systems, the intake and exhaust dampers close upon initiation of gas flow to maintain the necessary gas concentration. (Also see Sections E.4 and E.5 of this table).</p> <p>See Appendix 9A response to Question 9A.83.</p>
<p>5. <u>Lighting and Communication</u></p> <p>Lighting and two way voice communication are vital to safe shutdown and emergency response in the event of fire. Suitable fixed and portable emergency lighting and communication devices should be provided to satisfy the following requirements:</p> <p>(a) Fixed emergency lighting should consist of sealed beam units with individual 8-hour minimum battery power supplies,</p>	<p>5. <u>Lighting and Communication</u></p> <p>SAME</p>	<p>5. <u>Lighting and Communication</u></p> <p>Lighting and two-way voice communication are provided. See FSAR Sections 9.5.2 and 9.5.3 and Appendix 9A responses to Questions 9A.76 and 9A.125.</p> <p>(a) Fixed emergency lighting in the power block consists of sealed beam units with 8-hour minimum battery power supplies. See section 9B.2, "Fire Hazards Analysis", for specific zones containing emergency lighting.</p>

13

PVNGS FSAR
COMPARISON OF PALO VERDE NUCLEAR
GENERATING STATION TO APPENDIX A OF
NRC BRANCH TECHNICAL POSITION APCS 9.5-1

