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 AUTH.NAME AUTHOR AFFILIATION
 VAN BRUNT,E.E. Arizona Public Service Co.
 RECIP.NAME. RECIPIENT AFFILIATION
 KNIGHTON,G.H. Licensing Branch 3

SUBJECT: Confirms 850425 telcon re fire fighting requirements in FSAR
 Section 9B.3, including availability of breathing air
 compressor. Due to delay in installation of compressor, FSAR
 correction needed. Draft revised FSAR Table 9B.3-1 encl.

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Arizona Nuclear Power Project

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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

ANPP-32515 EEVB/DKN
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.
E. E. Van Brunt, Jr.
Executive Vice President
Project Director

EEVB/DKN/slh
Attachment

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Mr. George Knighton
Breathing Air Compressor
ANPP- 32515
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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.

Sworn to before me this _____ day of _____, 1985.

Notary Public

My Commission Expires:

Table 9B.3-1

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

D. GENERAL GUIDELINES FOR PLANT PROTECTION (CONTINUED)

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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><u>4. 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><u>4. Ventilation</u> (Continued)</p> <p>(i) SAME</p>	<p><u>4. 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><u>5. 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><u>5. Lighting and Communication</u></p> <p>SAME</p>	<p><u>5. 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>

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

