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 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000530
 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
 TEDESCO,R.L. Assistant Director for Licensing

SUBJECT: Forwards plans for shift technical advisor requalification training & description of long-term shift technical advisor program per Nov 1981 commitment. Info will be incorporated in PSAR & lessons learned implementation rept.

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 TITLE: PSAR/FSAR AMDTS and Related Correspondence

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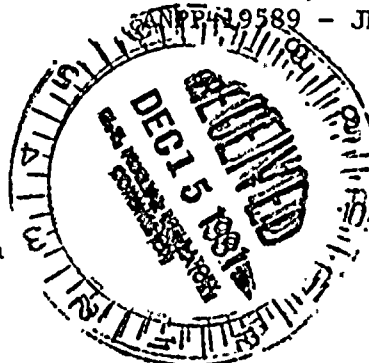
STA. _____

P.O. BOX 21666 - PHOENIX, ARIZONA 85036

December 3, 1981

ANPP-19589 - JMA/TFQ

Mr. R. L. Tedesco
Assistant Director for Licensing
Division of Licensing
Office of Nuclear Reactor Regulation
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: 81-056-026, G.1.10

Reference: NUREG-0857, Safety Evaluation Report related to the
operation of Palo Verde Nuclear Generating Station,
Units 1, 2 and 3, dated November, 1981.

Dear Mr. Tedesco:

The reference document, page 22-2, states that we committed to submit information concerning the plans for STA requalification training and a description of long-term STA program. Attached for your use is the information we committed to submit. This information will be incorporated into the PVNGS FSAR and Lessons Learned Implementation Report (LLIR) in upcoming amendments.

Please contact me if you have any further questions on these matters.

Very truly yours,

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

EEVBJr/TFQ/mjb

Attachment

cc: J. Kerrigan (w/a)
P. L. Hourihan (w/a)
A. C. Gehr (w/a)

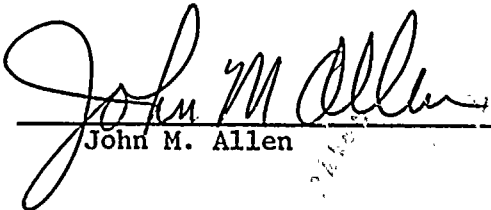
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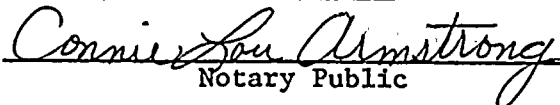


STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, John M. Allen, represent that I am Nuclear Engineering Manager of Arizona Public Service Company, that the foregoing document has been signed by me for Edwin E. Van Brunt, Jr., Vice President Nuclear Projects, on behalf of Arizona Public Service Company with full authority so to do, 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.


John M. Allen

Sworn to before me this 3RD day of December, 1981.


Notary Public

My Commission expires:

June 24, 1983



I. OPERATIONAL SAFETYI.A OPERATING PERSONNELI.A.1.1 SHIFT TECHNICAL ADVISORPosition

Each licensee shall provide an on-shift technical advisor to the shift supervisor. The shift technical advisor (STA) may serve more than one unit at a multiunit site if qualified to perform the advisor function for the various units.

The STA shall have a bachelor's degree or equivalent in a scientific or engineering discipline and have received specific training in the response and analysis of the plant for transients and accidents. The STA shall also receive training in plant design and layout, including the capabilities of instrumentation and controls in the control room. The licensee shall assign normal duties to the STAs that pertain to the engineering aspects of assuring safe operations of the plant, including the review and evaluation of operating experience.

PVNGS Evaluation

~~PVNGS plans to accomplish the function of enhanced accident assessment by upgrading the qualifications of shift supervisors and assistant shift supervisors, and upgrading the man-machine interface. Until these actions are accomplished, a shift technical advisor shall be present on shift, commencing at fuel load for Unit 1, whenever one or more units are operating in modes 1 through 4 as defined in the Technical Specifications.~~

The following information will be submitted by December 1, 1981:

1. Description of current STA training program and demonstration of conformance with November 9, 1979, NRC letter, D. B. Vassallo to All Pending Construction Permit Applicants.
2. Plans for STA regualification training.
3. Description of long-term STA program, including qualifications, selection criteria, training plans, and plans, if any, for the eventual phaseout of the STA program.

PWNGS EVALUATION

A Shift Technical Advisor (STA) to the shift supervisor for PWNGS will be provided onsite for each shift. The STA will serve all three PWNGS units. The duties of the STA will include:

- Diagnose accidents and off-normal events for their significance to reactor safety and advise the shift supervisor.
- Incorporation into the onsite Independent Safety Engineering Group (see Section I.B.1.2).

Organizationally, the STA will report through the supervisor of the Independent Safety Engineering Group to the Engineering and Technical Services, who is independent of operations.

Shift Technical Advisor (STA) training, qualifications, and selection criteria are discussed in FSAR section 13.2.1.3.2. STA requalification training will be conducted as described in amended FSAR Section 13.2.2.2.3. There is no current plan for phase out of the STA Program. FSAR Section 16.6.2.2 and 16.6.2.5 further describe the stationing and duties of the STA.

training commensurate with their job duties. This refresher training will consist of the general employee retraining program and specific job-related retraining.

13.2.2.2.1 General Employee Retraining

Non-licensed plant personnel will receive retraining (General Employee Training) on an annual basis. The extent of this retraining will be commensurate with job duties and level of plant access. The retraining will consist of lectures, videotapes and/or discussions of topics detailed in Section 13.2.1.4 (General Employee Training).

13.2.2.2.2 Job-related Retraining

Certain technicians on the plant staff will require periodic retraining in those duties that are complex and/or difficult. On an individual basis, the duties of the technicians will be evaluated and a determination made by the department head as to which duties require retraining. This determination may be based on evaluations such as:

- a) Chemistry and radiological technicians may be required to satisfactorily demonstrate the analyses they are qualified to perform.
- b) Responsible instrument technicians may be required to satisfactorily demonstrate understanding of the operation of the plant protective system.

In no case will this retraining be less frequent than biennial.

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13.2.2.3 Replacement Training

Training of individuals to fill vacancies will be conducted to assure a sufficient reserve of qualified individuals, as well as to prepare individuals

13.2.2.2.3 Shift Technical Advisor (STA) Retraining

STA requalification training will include lectures and evaluations on a regular and continuing basis. The plant specific RVNCS simulator shall be utilized to fulfill certain requirements of the requalification program. The requalification program shall commence within six months after receipt of a plant operating license and be conducted on a two year, repeating cycle.

During the requalification cycle, STA's shall participate in at least 2 weeks simulator training where they shall act as STA during simulation of significant plant transients.

During the requalification cycle, STA's shall attend and satisfactorily complete 40 hours of formal classroom retraining which will address transient and accident analysis event emphasizing the STA role in accident assessment.

