

September 19, 1991

Docket No. 50-⁵²⁹530

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Mr. William F. Conway
 Executive Vice President, Nuclear
 Arizona Public Service Company
 Post Office Box 53999
 Phoenix, Arizona 85072-3999

Dear Mr. Conway:

SUBJECT: ISSUANCE OF AMENDMENT FOR PALO VERDE NUCLEAR GENERATING STATION,
 UNIT NO. 2 (TAC NO. 81206)

The Commission has issued the enclosed Amendment No. 41 to the Facility Operating License No. NPF-51 for Palo Verde Nuclear Generating Station, Unit No. 2. The amendment consists of changes to the Technical Specifications (TS) in response to your application dated July 13, 1991.

The amendment changes Technical Specification 4.8.1.1.2.d.1, which currently requires surveillance for the diesel generators to be performed every 18 months plus or minus 25 percent allowed by Section 4.0.2. This amendment grants a one-time extension to the current surveillance requirement by allowing inspection of the diesel generators to be deferred until the next refueling outage, scheduled to begin October 17, 1991, but no later than December 31, 1991.

A copy of the related Safety Evaluation is also enclosed. A notice of issuance will be included in the Commission's next regular biweekly Federal Register notice.

Sincerely,

ORIGINAL SIGNED BY

Catherine M. Thompson, Project Manager
 Project Directorate V
 Division of Reactor Projects III/IV/V
 Office of Nuclear Reactor Regulation

9110030014 910919
 PDR ADDCK 05000530
 P PDR

Enclosures:

1. Amendment No. 41 to NPF-⁵¹74
2. Safety Evaluation

cc w/enclosures:

See next page

* See previous concurrence

OFC	: LA/PD5	: PD/PD5	: NRR:SELB	OGC*	: PD/PD5	:
NAME	: RCesaro <i>necessario</i>	: CThompson/tg <i>CP</i>	: OChopra <i>CP</i>	: CBarth	: JDyer <i>DW</i>	:
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Catherine M. Thompson, Project Manager
 Project Directorate V
 Division of Reactor Projects III/IV/V
 Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 41 to NPF-74
2. Safety Evaluation

cc w/enclosures:
See next page

NEE: SELB
 OChopra

* See previous concurrence

OFC	: LA/PD5	: PD/PD5	: OGC	: PD/PD5	:
NAME	: RCesaro	: CThompson/tg	: JDyer	: JML	:
DATE	: 08/15/91	: 08/15/91	: 08/19/91	: 08/14/91	:

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555

September 19, 1991

Docket No. 50-530

Mr. William F. Conway
Executive Vice President, Nuclear
Arizona Public Service Company
Post Office Box 53999
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Sincerely,

A handwritten signature in cursive script that reads "Catherine M. Thompson".

Catherine M. Thompson, Project Manager
Project Directorate V
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Enclosures:

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2. Safety Evaluation

cc w/enclosures:
See next page

Mr. William F. Conway
Arizona Public Service Company

Palo Verde

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Phoenix, Arizona 85003



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

ARIZONA PUBLIC SERVICE COMPANY, ET AL.

DOCKET NO. STN 50-529

PALO VERDE NUCLEAR GENERATING STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 41
License No. NPF-51

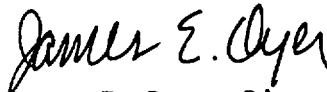
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Arizona Public Service Company (APS) on behalf of itself and the Salt River Project Agricultural Improvement and Power District, El Paso Electric Company, Southern California Edison Company, Public Service Company of New Mexico, Los Angeles Department of Water and Power, and Southern California Public Power Authority (licensees), dated July 13, 1991, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations set forth in 10 CFR Part I;
 - B. The facility will operate in conformity with the application, the provisions of Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C(2) of Facility Operating License No. NPF-74 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 41, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into this license. APS shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan, except where otherwise stated in specific license conditions.

3. This license amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



James E. Dyer, Director
Project Directorate V
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 19, 1991

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 41 FACILITY OPERATING LICENSE NO. NPF-51

DOCKET NO. STN 50-529

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the areas of change.

REMOVE

3/4 8-4

INSERT

3/4 8-4
3/4 8-4a

ELECTRICAL POWER SYSTEM

SURVEILLANCE REQUIREMENTS (Continued)

4.8.1.1.2 (Continued)

- b. At least once per 92 days by verifying that a sample of diesel fuel from the fuel storage tank obtained in accordance with ASTM-D4176-82, is within the acceptable limits specified in Table 1 of ASTM D975-81 when checked for viscosity, water and sediment.
- c. At least once per 184 days the diesel generator shall be started** and accelerated to generator voltage and frequency at 4160 ± 420 volts and 60 ± 1.2 Hz in less than or equal to 10 seconds. The generator voltage and frequency shall be 4160 ± 420 volts and 60 ± 1.2 Hz within 10 seconds after the start signal. The generator shall be manually synchronized to its appropriate emergency bus, loaded to an indicated 5200-5400*** kW in less than or equal to 60 seconds, and operate for at least 60 minutes.

This test, if it is performed so it coincides with the testing required by Surveillance Requirement 4.8.1.1.2.a.4, may also serve to concurrently meet those requirements as well.

- d. At least once per 18 months during shutdown by:
 1. Subjecting the diesel to an inspection in accordance with procedures prepared in conjunction with its manufacturer's recommendations for this class of standby service.*

*Except that the Surveillance Requirement inspection due no later than September 29, 1991, may be deferred until the next refueling outage but no later than December 31, 1991.

**This test shall be conducted in accordance with the manufacturer's recommendations regarding engine prelube and warmup procedures, and as applicable regarding loading recommendations.

***This band is meant as guidance to avoid routine overloading of the engine. Loads in excess of this band for special testing under direct monitoring of the manufacturer or momentary variations due to changing bus loads shall not invalidate the test.

ELECTRICAL POWER SYSTEM

SURVEILLANCE REQUIREMENTS (Continued)

2. Verifying the generator capability to reject a single largest load of greater than or equal to 839 kW (Train B AFW pump) for emergency diesel generator B or 696 kW for emergency diesel generator A (Train A HPSI pump) while maintaining voltage at 4160 ± 420 volts and frequency at 60 ± 1.2 Hz. ****
3. Verifying that the automatic load sequencers are OPERABLE with the interval between each load block within ± 1 second of its design interval. ****
4. Simulating a loss of offsite power by itself, and:
 - a) Verifying deenergization of the emergency busses and load shedding from the emergency busses. ****
 - b) Verifying the diesel starts** on the auto-start signal, energizes the emergency busses with permanently connected loads within 10 seconds, energizes the auto-connected shut-down loads through the load sequencer and operates for greater than or equal to 5 minutes while its generator is

****Deferred until cycle 3 refueling outage.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 41 TO FACILITY OPERATING LICENSE NO. NPF-51

ARIZONA PUBLIC SERVICE COMPANY, ET AL.

PALO VERDE NUCLEAR GENERATING STATION, UNIT NO. 2

DOCKET NO. STN 50-529

1.0 INTRODUCTION

By letter of July 13, 1991, Arizona Public Service Company (APS or the licensee) submitted a request for changes to the Technical Specifications (TS) for the Palo Verde Nuclear Generating Station, Units 1, 2, and 3 (Appendix A to Facility Operating License Nos. NPF-41, NPF-51, and NPF-74, respectively). The Arizona Public Service Company submitted this request on behalf of itself, the Salt River Project Agricultural Improvement and Power District, Southern California Edison Company, El Paso Electric Company, Public Service Company of New Mexico, Los Angeles Department of Water and Power, and Southern California Public Power Authority. APS has proposed changes to TS 4.8.1.1.2.d.1, which currently requires surveillance for the diesel generators (DGs) to be performed every 18 months plus or minus 25 percent. Under these conditions, the Train "B" DGs for Unit 2 must be inspected in accordance with procedures prepared in conjunction with its manufacturer's recommendations for this class of standby service no later than September 29, 1991. As a result, Unit 2 would be required to shut down just prior to the planned refueling outage, currently scheduled to begin October 17, 1991. The proposed amendment would allow a one-time extension to the current surveillance requirement.

2.0 EVALUATION

In accordance with TS 4.8.1.1.2.d.1, Train "B" DGs for Unit 2 must be inspected in accordance with procedures prepared in conjunction with its manufacturer's recommendations for this class of standby service no later than September 29, 1991. Under current conditions, an unscheduled shutdown of Unit 2 would be required approximately three weeks prior to the planned start of the third refueling outage, currently scheduled to begin on October 17, 1991. The licensee has proposed to extend the Surveillance Requirement 4.8.1.1.2.d.1 for Unit 2 DGs by allowing a one-time extension to the current 18 months surveillance plus the additional 25% allowed by Section 4.0.2. The proposed change would add a footnote to Surveillance Requirement 4.8.1.1.2.d.1, allowing surveillance for the Unit 2 DGs to be performed between October 17 and December 31, 1991, coinciding with the planned refueling outage.

The previous Unit 2 DG inspection on Train "A" was performed on January 5, 1990, and Train "B" was inspected on November 8, 1989. In addition, since initial licensing, the DG on Train "A" has had 127 starts as of May 2, 1991, with one failure, and Train "B" has had 120 starts as of May 9, 1991, with zero failures. Therefore, there has not been a history of problems with DGs at PVNGS, Unit 2. Based on the past performance of the DGs, the staff finds that a short extension of the surveillance requirement to no later than December 31, 1991, is acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Arizona State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes surveillance requirements. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (56 FR 37576). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor:
Catherine M. Thompson

Dated: September 19, 1991