



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 45 TO FACILITY OPERATING LICENSE NO. NPF-41
AMENDMENT NO. 30 TO FACILITY OPERATING LICENSE NO. NPF-51
AND AMENDMENT NO. 21 TO FACILITY OPERATING LICENSE NO. NPF-74
ARIZONA PUBLIC SERVICE COMPANY, ET AL.
PALO VERDE NUCLEAR GENERATING STATION, UNITS 1, 2, AND 3
DOCKET NOS. STN 50-528, STN 50-529, AND STN 50-530

1.0 INTRODUCTION

By letter dated October 10, 1989 the Arizona Public Service Company (APS) 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 (licensees), requested changes to the Technical Specifications 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 proposed changes would revise Technical Specification (TS) Section 3.3.2 (Engineered Safety Features Actuation System (ESFAS) Instrumentation) for Palo Verde Nuclear Generating Station (PVNGS) Units 1, 2, and 3, by revising Table 3.3-5, Engineered Safety Features Response Times, to add a footnote that would exclude the turbine-driven auxiliary feedwater pump from response time testing until appropriate plant conditions (i.e., steam pressure) exist in Mode 3.

2.0 DISCUSSION AND EVALUATION

The current Technical Specification LCO 3.3.2 requires certain Engineered Safety Features Actuation System (ESFAS) instrumentation channels to be operable with response times as shown in Table 3.3-5. One of the ESFAS components required to be operable in Modes 1, 2, 3, and 4 is the turbine-driven auxiliary feedwater pump. However there may be inadequate steam pressure in Mode 4 to adequately test the turbine-driven AFW pump.

The operability technical specification for the AFW system, TS 3.7.1.2 also requires operability of the turbine-driven AFW pump in Modes 1, 2, 3, and 4 but states under Surveillance Requirement 4.7.1.2 concerning monthly operability testing of the AFW pumps: "The provisions of Specification 4.0.4 are not applicable for the turbine-driven pump for entry into Mode 3." This allows postponement of the surveillance test for the turbine-driven AFW pump until Mode 3 conditions exist and adequate steam pressure is available to perform the surveillance test.

The licensees' requested amendments will eliminate any potential conflict between these two technical specifications by adding the following note to

9001100152 891222
PDR ADOCK 05000528
PDC

THE
OFFICE OF THE
ATTORNEY GENERAL
STATE OF TEXAS
AUSTIN, TEXAS

IN RE: [Illegible Name]
[Illegible Address]
[Illegible City, State, Zip]

BY: [Illegible Name]
[Illegible Title]

FILED FOR RECORD
[Illegible Date]

BY: [Illegible Name]
[Illegible Title]

FILED FOR RECORD
[Illegible Date]

BY: [Illegible Name]
[Illegible Title]

FILED FOR RECORD
[Illegible Date]

TS 3.3.2, Table 3.3-5, "Engineered Safety Features Response Times," for the turbine-driven AFW pump: "The provisions of Specification 4.0.4 are not applicable for the turbine-driven Auxiliary Feedwater pump ENGINEERED SAFETY FEATURES RESPONSE TIME for entry into Mode 3."

The proposed change will provide for consistency between the two technical specifications covering the operability of the turbine-driven AFW pump. LCO 3.7.1.2. recognizes that the turbine-driven AFW pump cannot be adequately tested until Mode 3. Therefore an exclusion from Specification 4.0.4 is provided to allow for entry into Mode 3, where operability testing can be completed. This allowance does not currently exist for LCO 3.3.2 concerning ESFAS response time testing for the turbine-driven AFW pump. Extending this exclusion from Specification 4.0.4 to LCO 3.3.2 will be consistent with the existing allowance already provided in LCO 3.7.1.2 and will eliminate a potential source of confusion in the Technical Specifications.

The staff has reviewed the material submitted by the licensee and, on the basis of the above evaluation, concludes that the proposed changes to Technical Specifications are acceptable.

3.0 CONTACT WITH STATE OFFICIAL

The Arizona Radiation Regulatory Agency was advised of the proposed determination of no significant hazards consideration with regard to this change. No comments were received.

4.0 ENVIRONMENTAL CONSIDERATIONS

The amendments involve changes to a requirement with respect to the use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes in surveillance requirements. The staff has determined that the amendments involve 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 amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendments meet 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 to be prepared in connection with the issuance of these amendments.

5.0 CONCLUSION

The staff 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public. We therefore, conclude that the proposed changes are acceptable.

PRINCIPAL CONTRIBUTOR: Michael J. Davis

DATED: December 22, 1989

