



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 68 TO PROVISIONAL OPERATING LICENSE NO. DPR-13

SOUTHERN CALIFORNIA EDISON COMPANY

SAN DIEGO GAS & ELECTRIC COMPANY

SAN ONOFRE UNIT NO. 1

DOCKET NO. 50-206

(OPERABILITY OF POWER SOURCES)

1.0 INTRODUCTION

By letter dated August 27, 1980, Southern California Edison Company (the licensee) proposed changes to the Technical Specifications for San Onofre Nuclear Generating Station, Unit No. 1. These changes would modify Section 3.7, Auxiliary Electrical Supply, of the Appendix A Technical specifications and Bases appended to Provisional Operating License DPR-13.

The proposed change is based on a Region V letter to the licensee dated April 23, 1980 (reference 2). By reference 2, the staff suggested immediate implementation of subject-changes, similar to the requirement of standard technical specification for Westinghouse PWRs.

2.0 DISCUSSION AND EVALUATION

The licensee's proposed changes to the Appendix A Technical Specifications would add conditions of electrical power availability during refueling or cold shutdown.

The licensee's proposed changes to Section 3.7 of the Technical Specifications include the conditions of electric power availability in accordance with the format of standard technical specification. However, the proposed changes do not fully address the required circuit and buses.

Circuit

According to the standard technical specification, one circuit (out of the two required under General Design Criterion-17 (GDC-17) between the offsite transmission network and the onsite class 1E distribution system should be operable during shutdown. The proposed change calls for one source of offsite electric power from the available high voltage transmission line which is specified in Section 3.7.I of the technical specification as "one Southern California Edison Company or one San Diego Gas and Electric Company high voltage transmission line." The specified transmission line is only

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part of the circuit required by GDC-17 and specified in the standard technical specification. GDC-17 requires electric power from the transmission network to the onsite electric distribution system to be supplied by two physically independent circuits with a common switchyard acceptable. The proposed change only specifies the line from the offsite transmission network to the switchyard whereas it should also include the part of the required circuit from the switchyard to the onsite electric distribution system. One of the two physically independent circuits at San Onofre Unit 1 is an immediate access circuit via startup transformer (auxiliary transformer "C") while the other is a delayed access circuit via main transformer and auxiliary transformer A or B.

The licensee has agreed to modify the proposed change to technical specification Section 3.7.II.1.a to read:

"One Southern California Edison Company or one San Diego Gas and Electric Company high voltage transmission line to the switchyard and one transmission circuit from the switchyard, immediate or delayed access, to the onsite safety related distribution system."

Buses

Section 3.7.II.1.c of the proposed changes includes the 4160 volt and 480 volt A.C. buses and the D.C. bus associated with the required one circuit of offsite power and one diesel generator. The standard technical specification requires two 120 volt A.C. vital buses to be operable during plant shutdown. The 120 volt vital buses provide power to various instruments and class 1E components that should be operable during plant shutdown.

The licensee has agreed to modify the proposed change to technical specification Section 3.7.II.1.c to include two 120 volt A.C. vital buses.

Similarly, the action statement in Section 3.7.II.2 will be changed to include both minimum required D.C. and A.C. electrical source specified in 3.7.II.1.

Based on our review, we find that the proposed changes to the Technical Specifications, as modified in accordance with the above discussion, (1) meet the requirements of GDC-17, and (2) are consistent with the Westinghouse standard technical specifications. We conclude that the proposed changes are acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant reduction in a margin of safety, the amendment does not involve a significant hazards consideration; (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner; and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

5.0 ACKNOWLEDGEMENT

I. Ahmed and W. Paulson contributed to this evaluation.

6.0 REFERENCES

1. Southern California Edison Company ltr. (R. Dietch) to NRC (H. Denton), dated August 27, 1980.
2. NRC (Region V) ltr. (R. Engleken) to Southern California Edison Company (L.T. Papay), dated April 23, 1980.

Dated: May 3, 1983