



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 120 TO PROVISIONAL OPERATING LICENSE NO. DPR-13

SOUTHERN CALIFORNIA EDISON COMPANY

SAN DIEGO GAS AND ELECTRIC COMPANY

SAN ONOFRE NUCLEAR GENERATING STATION, UNIT NO. 1

DOCKET NO. 50-206

1.0 INTRODUCTION

By letter dated November 7, 1988, Southern California Edison Company (SCE or the licensee) requested a change to the Technical Specifications appended to Provisional Operating License No. DPR-13 for operation of San Onofre Nuclear Generating Station, Unit No. 1 in San Diego County, California.

2.0 DISCUSSION AND EVALUATION

The licensee proposes to change the power supply for emergency core cooling recirculation valve MOV-358 from swing 480v. Bus No. 3/MCC-3 to the MOV-850C Uninterruptible Power Supply (UPS). The UPS consists of an inverter and battery/battery charger. This modification will ensure that the power supply for loop C MOV-358 is electrically independent from the two redundant recirculation valves, MOV-356 (loop A) and MOV-357 (loop B), thereby preventing a single failure from disabling the power supply for more than one valve.

The addition of MOV-358 load to the UPS has been evaluated and the NRC staff has concluded that the UPS has sufficient capacity to accommodate the additional load. The staff also finds that the single failure vulnerability is corrected by this design change. Minor conforming word changes are required to Technical Specification 3.3.2, "Shutdown Status," and the basis for Technical Specification 3.7, "Auxiliary Electrical Supply" to reflect the changed design.

The NRC staff therefore concludes that the proposed change is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an environmental assessment and finding of no significant impact have been prepared and published in the Federal Register on January 25, 1989 (54 FR 3698). Accordingly, based upon the environmental assessment, the Commission has determined that the issuance of this amendment will not have a significant effect on the quality of human environment.

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4.0 CONCLUSION

We have 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

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Dated: March 20, 1989