



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 18 TO FACILITY OPERATING LICENSE NO. DPR-70

PUBLIC SERVICE ELECTRIC AND GAS COMPANY,
PHILADELPHIA ELECTRIC COMPANY,
DELMARVA POWER AND LIGHT COMPANY, AND
ATLANTIC CITY ELECTRIC COMPANY

SALEM NUCLEAR GENERATING STATION, UNIT NO. 1

DOCKET NO. 50-272

Introduction

By letter of June 14, 1979, Public Service Electric and Gas Company (the licensee) requested amendment of Facility Operating License No. DPR-70 for the Salem Station Unit No. 1. The proposed amendment would revise the surveillance requirements for verification of diesel generator trips (4.8.1.1.2) making them identical to such requirements as have been accepted by the NRC for the Unit 2 Technical Specifications.

Branch Technical Position 17 has the objective of preventing non-vital trips while the diesel generators are operating under accident conditions. To meet this objective all but the most vital trips should be bypassed during emergency startup of the diesels. Such action raises the margin of plant safety by increasing the availability of the diesel generators for accident conditions.

During the licensing review of Unit No. 2 the licensee has proposed to remove the generator breaker failure protection trip and add the 4 Kv bus differential trip to the list of diesel general trips that are not bypassed upon loss of voltage on the emergency bus safety injection actuation signal. During the NRC's review of Unit No. 2, removal of the generator breaker failure protection trip was found to be required to prevent possible major damage to the diesel generator that could disable it when required.

Evaluation

The safety review that was performed by the NRC for the Unit No. 2 Technical Specifications is directly applicable and acceptable for Unit No. 1, since the diesel generators are essentially identical.

1136 172

P 7910020607

The safety margin of the Unit No. 1 diesel generator will not be compromised by this proposed Technical Specification change because the most vital protection will not be bypassed but will remain available under emergency operating conditions. We, therefore, find the requested revisions to be acceptable.

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.

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 accidents previously considered and does not involve a significant decrease in a safety margin, 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.

Date: September 8, 1979