



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 57 TO FACILITY OPERATING LICENSE NO. DPR-70
AND AMENDMENT NO. 26 TO FACILITY OPERATING LICENSE NO. DPR-75

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

SALEM NUCLEAR GENERATION STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-272 AND 50-311

INTRODUCTION

By letter dated October 5, 1982 the licensee requested that the Technical Specifications for Salem Units 1 and 2 be changed to include the following note to Technical Specification Table 3.3.3:

"The automatic actuation logic includes the redundant solenoid operated vent valves for each Main Steam Isolation Valve. One vent valve on any one Main Steam Isolation Valve may be isolated without affecting the function of the automatic actuation logic provided the remaining seven solenoid vent valves remain operable. For this condition entry into the Action Statement (No. 13 on Unit 1, No. 20 on Unit 2) is not required."

The staff, during their review, noted that indefinite operation with an inoperable solenoid vent valve should not be permitted. In a letter dated September 2, 1983, the licensee responded to this concern by removing the last sentence of the note and replacing it with two corrective action statements. The note would then read:

"The automatic actuation logic includes two redundant solenoid operated vent valves for each Main Steam Isolation Valve. One vent valve on any one Main Steam Isolation Valve may be isolated without affecting the function of the automatic actuation logic provided the remaining seven solenoid vent valves remain operable. The isolated MSIV vent valve shall be returned to OPERABLE status upon the first entry into MODE 5 following determination that the vent valve is inoperable. For any condition where more than one of the eight solenoid vent valves are inoperable, entry into ACTION Statement (No. 13 on Unit 1, No. 20 on Unit 2) is required."

EVALUATION AND SUMMARY

The NRC staff reviewed the proposed change and concludes that operation with one solenoid valve out of service will not increase the severity of any design basis event beyond the consequences discussed in the FSAR. Each

main steam line isolation valve is equipped with two solenoid operated vent valves, either of which is capable of producing MSIV closure. The evaluation of design basis events in the FSAR assumes complete failure of one MSIV. The single failure of an additional solenoid operated vent valve would therefore produce consequences within the scope of the FSAR analyses. With the inclusion of the two corrective action statements in the Technical Specification note, we conclude that the licensee's proposal is acceptable.

Environmental Consideration

These amendments involve a change in the installation or use of the facilities components located within the restricted areas as defined in 10 CFR 20. The staff has determined that these 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 these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 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 these amendments.

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, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: October 15, 1984

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