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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 72

TO FACILITY OPERATING LICENSE NO. DPR-67

FLORIDA POWER & LIGHT COMPANY

ST. LUCIE PLANT, UNIT NO. 1

DOCKET NO. 50-335

INTRODUCTION

On August 5, 1982, the staff issued a safety evaluation on auxiliary (emergency) feedwater system automatic initiation and flow indication (TMI action plan item II.E.1.2). This safety evaluation requested a change to the technical specifications to conform to the requirements of NUREG-0737, item II.E.1.2, and also to include monthly testing of the AFWS automatic actuation logic consistent with the CE Standard Technical Specifications. By letter dated October 22, 1985, Florida Power & Light Company requested a revision to the Technical Specifications to include operability and surveillance requirements for the emergency feedwater initiation and control logic.

EVALUATION

The licensee proposed a revision to the Technical Specification 3/4.3.2, "Engineered Safety Features Actuation System Instrumentation" Tables 3.3-3, 3.3-4, 3.3-5 and 4.3-2 to provide operability and surveillance requirements for the upgraded emergency feedwater system.

The change to Table 3.3-3 revises item 7, Auxiliary Feedwater, to include manual trip buttons, automatic actuation logic, and steam generator level as inputs to the AFWS. Item 8, Auxiliary Feedwater Isolation, was added to account for the system's ability to isolate a faulted steam generator based on high differential pressure between the steam generators and/or the feedwater headers. Action Statements were added to describe required action when the AFWS does not satisfy the channel requirements listed in Table 3.3-3. The change to Table 3.3-4 revises item 7 and adds item 8 to include all the inputs listed above with their applicable trip values and allowable values. The change to Table 3.3-5 adds item 1.f to include a manual AFWS initiating signal and revises item 8, Steam Generator Level, to reflect the new Auxiliary Feedwater (AFW) system response time based solely on new equipment instrument uncertainty as stated by the vendor (±25 sec). The change to Table 4.3-2 revises item 7 and adds item 8 to include the inputs to the AFWS, as listed above, and lists the associated surveillance requirements for each input.

The staff has reviewed the licensee's submittal and concludes that the proposed technical specification changes appropriately address the operability and surveillance requirements for AFW manual initiation and automatic actuation logic and are in conformance with the CE Standard Technical Specifications and are, therefore, acceptable.

ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves 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 published a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendment meets 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 be prepared in connection with the issuance of the amendment.

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

Date: January 15, 1986

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