



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. <sup>98</sup> TO FACILITY OPERATING LICENSE NO. DPR-32  
AND AMENDMENT NO. <sup>97</sup> TO FACILITY OPERATING LICENSE NO. DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY  
SURRY POWER STATION, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-280 AND 50-281

Introduction

By letter dated April 5, 1984, the Virginia Electric and Power Company (the licensee) requested amendments to the Facility Operating Licenses DPR-32 and DPR-37 for the Surry Power Station, Unit Nos. 1 and 2, respectively. The proposed amendments would change a limiting condition for operation for the auxiliary feedwater pump from "operable" to "available".

Evaluation

The current Technical Specifications require that two motor driven auxiliary feedwater pumps be operable and one of three auxiliary feedwater pumps for the opposite unit be operable. This proposed change revises the status of the opposite unit's auxiliary feedwater pump from "operable" to "available". In the event of a fire on one unit which would render that unit's auxiliary feedwater pumps inoperable, residual heat removal would continue to be assured by the motor driven auxiliary feedwater pumps from the opposite unit. Available is defined as "(1) operable except for automatic initiation instrumentation, (2) offsite or emergency power may be inoperable in cold shutdown, and (3) it is capable of being used with the opening of the cross-connect."

This proposed change also adds a specification which allows the opposite unit auxiliary feedwater pump down time for maintenance and repairs. Specific action is provided to be in hot shutdown within the next 6 hours and in cold shutdown within the next 30 hours in the event that the opposite unit auxiliary feedwater pumps and associated piping, valves and controls are unavailable for a period of more than seven days.

This proposed change defines the condition where the opposite unit's auxiliary feedwater pump is available and capable of performing its intended function but not required to meet the strict definition of operable as defined in the Technical Specifications. When the requirement for the opposite unit's

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auxiliary feedwater pump was established, it was intended that the pump would be available for use when needed for alternate shutdown. The use of the pump requires that a manual valve be opened in the cross-connect between the two units. It was not intended for the pump to be automatically started; in fact the design does not permit a pump to start by signal from the other unit. Therefore, the use of the word "available" is more appropriate than "operable" in this case.

Based on our review of the proposed Technical Specifications, we conclude that they are 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 12, 1984

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