



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS. 96 AND 77

TO FACILITY OPERATING LICENSE NOS. DPR-53 AND DPR-69

BALTIMORE GAS AND ELECTRIC COMPANY

CALVERT CLIFFS NUCLEAR POWER PLANT UNIT NOS. 1 AND 2

DOCKET NOS. 50-317 AND 50-318

Introduction

By application for license amendments dated April 9, 1984, Baltimore Gas and Electric (BG&E) requested changes to the Technical Specifications (TS) for Calvert Cliffs Units 1 and 2. The proposed amendments would change the Unit 1 and Unit 2 TS to reflect: (1) proposed changes to the administrative requirements of TS 6.2, "Organization", associated with corporate organizational changes, (2) installation of additional fire protection instrumentation, and (3) a proposed change in the administrative control of access to high radiation areas. These changes to the TS are in partial response to the application dated April 9, 1984. The remaining issues addressed in the April 9, 1984 application will be addressed in future correspondence.

Discussion and Evaluation

BG&E has proposed two changes to the organizational requirements of TS 6.2, "Organization". The first modification would change the title of the "Senior Control Room Operator" (SCRO) to "Control Room Supervisor" in TS Figure 6.2.2. This change is necessary to distinguish the SCRO who is on duty in the control room, who will be referred to as the Control Room Supervisor, from other SCROs who may be assigned to other duties at the facility.

The second proposed modification would change the corporate responsibility for the BG&E Fire Prevention Unit as shown in TS Figure 6.2-1. The Fire Prevention Unit, which originally reported to the General Supervisor-Finance, now reports to the Manager-Real Estate and Office Services. Because of this organizational responsibility shift, the corporate responsibility for the Fire Protection Program is now assigned to the Vice President-General Services.

In both the proposed changes to TS 6.2, the safety functions of the individual or organizational units involved have not been changed and therefore the proposed changes are only administrative in nature. Accordingly, the proposed changes to TS 6.2 are acceptable.

The second change to the TS results from the installation of additional fire protection instrumentation. This instrumentation, described in proposed changes to TS Table 3.3-11, "Fire Detection Instruments", includes local heat, flame and/or smoke detectors, and an alarm system. The annunciators in the control room provide an audio-visual alarm which indicates the location of the affected area. Since the fire detection instruments listed in TS Table 3.3-11 are subject to Limiting Conditions for Operation, TS 3.3.3.7, "Fire Detection Instrumentation", the inclusion of the new instruments in TS Table 3.3-11 represents an additional limitation. Since the proposed change to TS Table 3.3-11 represents appropriate additional limitation via TS 3.3.3.7, the proposed changes to the TS are acceptable.

Finally, the licensee has requested a change to TS 6.12, "High Radiation Areas", concerning the control of keys to high radiation areas where the dose rate is greater than 1000 mrem/hr. At the present time TS 6.12.1.b requires that these keys be maintained under the administrative control of the shift supervisor on duty. The licensee has requested that these keys be maintained, "...by the Supervisor-Radiation Control and the Operations Shift Supervisor on duty under their separate administrative control.

Typically, the few plant status changes that affect dose rates (e.g., mode changes, fuel movement, ion exchanger line-ups, etc.) are internally communicated to the Radiation Control Unit. Similarly, the Radiation Control Unit informs Operations of non-routine entries into locked high radiation areas. Since the internal communication is assured, the Radiation Control Supervisor can also effectively administer the keys to the locked high radiation areas and ensure control over unnecessary exposure. Accordingly, this proposed change to the TS is acceptable.

#### Environmental Consideration

Changes (1) and (3) of the amendments involve changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, with respect to these items, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR Sec. 51.22(c)(10). Change (2) of the amendments involves a change in the installation or use of a facility component located within the restricted area and a change in surveillance requirements. The staff has determined that the 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, with respect to change (2), 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 the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: August 2, 1984

Principal Contributor:  
D. H. Jaffe