



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 92 TO FACILITY OPERATING LICENSE NO. DPR-66

DUQUESNE LIGHT COMPANY

OHIO EDISON COMPANY

PENNSYLVANIA POWER COMPANY

BEAVER VALLEY POWER STATION, UNIT NO. 1

DOCKET NO. 50-334

Introduction

By letter dated November 14, 1984, Duquesne Light Company (DLC) submitted a request to amend the Appendix A Technical Specifications of Operating License DPR-66 to require two reactor coolant pumps, rather than one, to be operating when the reactor trip breakers are closed in Mode 3. By letter dated March 8, 1985, DLC submitted a revised change request to clarify the original submittal. We have reviewed the submittals and the results of our review are as follows.

Discussion and Evaluation

The plant is designed to operate with all reactor coolant loops in operation and maintain DNBR above 1.30 during all normal operations and anticipated transients.

In Mode 3, a single reactor coolant loop provides sufficient heat removal capability for removing decay heat; however, due to the initial conditions assumed in the analysis for the control rod bank withdrawal from a subcritical condition, two operating coolant loops are required to meet the DNB design basis for this Condition II event.

The limiting accident for reduced RCS flow conditions applicable to Mode 3 operation is described in Updated Final Safety Analysis Report (UFSAR) Section 14.1.1, "Uncontrolled Rod Cluster Control Assembly Bank Withdrawal from a Subcritical Condition". The UFSAR does not specifically state the number of reactor coolant loops in operation assumed in the analysis. However, the assumptions used by Westinghouse in the analyses are specified in the UFSAR changes proposed for the N-1 loop operation analysis (C. N. Dunn, DLC to A. Schwencer, NRC dated October 27, 1978). The assumptions are, for the three loop operation case, three loops are operating and for the two loop operation case, two loops are operating. The UFSAR conclusions remain unchanged; the core and the Reactor Coolant System are not adversely affected, since the combination of thermal power and the coolant temperature result in a DNBR well above the limiting value of 1.30.

The proposed change to the Technical Specifications will require a minimum of two operating reactor coolant loops (as opposed to two operable loops in the current specification) when in Mode 3 to reflect the minimum flow assumptions used in the UFSAR limiting low-flow event.

Since the proposed changes will make the Beaver Valley Unit 1 Technical Specification consistent with the UFSAR analysis and would add conservatism to reactor operation, we find them acceptable.

The licensee's submittal of March 8, 1985, was made as a result of NRC staff request to clarify the language of the original submittal dated November 14, 1984, and does not contain substantive changes.

Environmental Consideration

This amendment involves only changes in administrative procedures and requirements. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 51.22(c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this 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 this amendment will not be inimical to the common defense or security or to the health and safety of the public.

Dated: April 24, 1985

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