



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 126 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 February 5, 1988, Duquesne Light Company (licensee, acting as agent for the utilities named above) submitted a request to amend the Beaver Valley Unit 1 (BV-1) Technical Specifications. The requested amendment would delete all specifications regarding the hydrogen recombiner system.

DISCUSSION AND EVALUATION

The proposed amendment would delete specification 3.6.4.3, "Hydrogen Purge System", associated surveillance requirements and bases. This specification was originally included in the Technical Specifications to conform with Standard Technical Specification (NUREG-0452), applicable if less than two hydrogen recombiners are available. At the time the BV-1 technical specifications were being developed, the licensee expected that the hydrogen recombiners would be shared between BV-1 and BV-2. However, since that time additional recombiners have been purchased and installed at BV-2. As a result, BV-2 Technical Specifications do not contain any requirements for a hydrogen purge system. In addition, since the original hydrogen recombiners are no longer shared between BV-1 and BV-2, but are fully dedicated to BV-1, there is no more need for a hydrogen purge system to act as backup to the recombiner system.

Specifically, the following changes are made:

- (1) Section 3.6.4.3 and 4.6.4.3 are deleted.
- (2) A footnote is added to page 3/4 6-22, stating that "next page is 3/4 6-25", reflecting deletion of the above sections.
- (3) Basis Section 3/4.6.4 is changed to state that each recombiner unit is capable of controlling post-LOCA hydrogen generation.

The licensee committed to revise the Updated Final Safety Analysis Report (UFSAR) to reflect the deletion of the hydrogen purge system as a backup to the hydrogen recombiner system. Since the hydrogen purge system is a contributor to post-LOCA radiological doses, elimination of the system actually eliminates a contributor to post-LOCA doses.

The revised specifications conform with guidance of the Standard Technical Specifications (NUREG-0452), are identical to the same specifications in the BV-2 Technical Specifications, and are acceptable.

#### ENVIRONMENTAL CONSIDERATION

This amendment changes a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. We have 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 issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this 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 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 and security or to the health and safety of the public.

Dated: May 26, 1988

Principal Contributor:

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