



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 90 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 June 28, 1984, Duquesne Light Company (the licensee) proposed administrative changes to the Technical Specifications (TS) set forth in Appendix A to the license for the purpose of revising several Tables associated with the instrumentation for radioactive gaseous effluent monitoring and engineered safety features.

DISCUSSION AND EVALUATION

The proposed changes and the staff's evaluation of each are as follows:

- (1) Table 4.3-13 would be revised to reflect the fact that Radiation Monitors RM-VS-170A and B only measure the normal operation activity in the reactor building exhaust and provide an alarm in the control room on high noble gas activity. The present technical specification calls for periodically checking the alarm function and also automatic isolation of the exhaust. Since automatic isolation of the reactor building exhaust is not provided (nor is it required), the technical specification change would delete checking for isolation but maintains surveillance checking for control room alarm on high effluent activity.

The technical specification change concerning the inlet activity monitor RM-6W-101 to the gaseous waste storage tanks would be revised to include the control room alarm check on high activity.

Those changes to Table 4.3-13 are administrative in nature and are acceptable.

- (2) The licensee requested to change the entries for the setpoint and allowable value for Functional Unit 4.e, High Negative Steam Pressure Rate, in Table 3.3-4 from "100 psi" and "110 psi" respectively to "<100 psi with a time constant of 50 + 5 sec." and "<110 psi with a time constant of 50 + 5 sec." respectively. These changes were intended to add the appropriate time constant consistent with the functional requirements of the circuitry. During an October 23, 1984,

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telephone conversation, the licensee agreed to modify the entries to " $\leq 100$  psi with a time constant greater than or equal to 50 seconds" and " $\leq 110$  psi with a time constant greater than or equal to 50 seconds" to ensure the the safety analysis limits are not exceeded. The staff finds the requested change, as modified, acceptable.

- (3) The licensee requested to add appropriate entries in Tables 3.3-3, 3.3-4 and 4.3-2 under Functional Unit 7, "Auxiliary Feedwater" for "Turbine Driven Pump Discharge Pressure Low." This signal provides a back-up signal to ensure that the motor-driven auxiliary feedwater pumps start if the turbine-driven pump does not. The staff finds these additional entries acceptable for this diverse function.

In addition, the licensee requested to add an appropriate entry in Table 3.3-5 for the "Turbine Driven Pump Discharge Pressure Low" signal. The staff finds this change acceptable as discussed above. The licensee also requested to change table notation 1 for Table 3.3-5 to agree with the previously revised (Amendment 65) format of Table 3.6-1 to which this note refers. The staff finds this administrative change acceptable.

#### ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation or use of facility components located within the restricted area. The staff has determined that the amendment involves no significant increase in the amounts of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupation 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 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 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: January 25, 1985

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