



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 168 TO FACILITY OPERATING LICENSE NO. NPF-1
PORTLAND GENERAL ELECTRIC COMPANY
THE CITY OF EUGENE, OREGON
PACIFIC POWER AND LIGHT COMPANY
TROJAN NUCLEAR PLANT
DOCKET NO. 50-344

1.0 INTRODUCTION

By letter dated June 12, 1989, Portland General Electric Company (PGE, licensee) requested an amendment to Trojan Technical Specifications (TTS) for Trojan Nuclear Plant to correct valve orifice size values listed in Table 4.7-1, "Steam Line Safety Valves Per Loop". The amendment would replace values of $Q=11.05$ square inches with $Q=12.174$ square inches, the actual orifice size. The valves associated with this change are numbers PSV-2211, 2231, 2251, 2271, 2212, 2232, 2252, and 2272.

2.0 EVALUATION

During blowdown of safety valves, steam flow rate is restricted by an orifice associated with each safety valve. As described in Table 10.3-1 of the Trojan FSAR, the actual orifice area of 12.174 square inches was used in the safety analysis, using a formula certified by the National Board of Boiler and Pressure Vessel Inspectors, for the calculations. This area of 12.174 square inches was also used in test methods for calculating lift setpoints. Both the method of testing and the correct area of 12.174 square inches have been verified by the valve manufacturer. Therefore, the value of 11.05 square inches given in Table 4.7-1 of the TTS for the orifice size for these valves is clearly incorrect, and should be corrected to record the actual orifice size, and the size that was used in the accepted design as described in the FSAR. The number given in the Trojan TS Fig. 4.7-1 of 11.05 square inches is in error, and the staff concurs that the TTS value of 12.174 square inches should replace the incorrect size of 11.05 square inches given in the TTS. The proposed change is therefore acceptable.

3.0 CONTACT WITH STATE OFFICIAL

The NRC staff has notified the Oregon Department of Energy of the proposed issuance of this amendment along with the proposed determination of no significant hazards consideration. No comments were received.

4.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to 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 or a change to a surveillance requirement. The staff has 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). This amendment also involves changes in record-keeping, reporting or administrative procedures or requirements. Accordingly, with respect to these items, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR §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.

5.0 CONCLUSION

The staff has 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 amendment will not be inimical to the common defense and security or to the health and safety of the public.

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Dated: February 4, 1991