

HAZARDS ANALYSIS BY THE RESEARCH AND POWER REACTOR SAFETY BRANCH

DIVISION OF LICENSING AND REGULATION

IN THE MATTER OF

YANKEE ATOMIC ELECTRIC COMPANY

PROPOSED CHANGE NO. 22

DOCKET NO. 50-29

Introduction

Pursuant to the provisions of paragraph 3.A. of License No. DPR-3, as amended, Yankee Atomic Electric Company in Proposed Change No. 22, dated April 18, 1962, requested authorization to install a three-quarter inch stainless steel isolation valve and tee connection in the pressure equalizing line between the primary system safety valve discharge header and the low pressure surge tank. A capped line and valve would be installed on the tee connection. This piping modification would provide a means of purging hydrogen gas from the safety valve discharge header without the necessity of also purging the low pressure surge tank at the same time. Such an arrangement would facilitate primary system safety valve maintenance.

Discussion

Yankee has indicated that the valves and piping to be used in making the proposed connections will be designed, fabricated and tested in accordance with the American Standards Association Code for Pressure Piping. The valves will normally be set so that they will not alter the present operating conditions. Further, use of the valves to isolate the hydrogen atmosphere of the low pressure surge tank during reactor operation would not have a significant effect on the ability of the system to function properly. In view of the above, there appears to be adequate assurance that the proposed modifications will be properly designed and installed and that their presence in the system will not have an adverse effect on the safety of operation.

Conclusion

Based on our review of the proposed change, we have concluded that it does not present significant hazards considerations not described or implicit in the license application as amended to June 23, 1961. We have further concluded that there is reasonable assurance that the health and safety of the public will not be endangered by operation of the facility as proposed.

Original signed
by Robert H. Bryan

Robert H. Bryan, Chief
Research & Power Reactor Safety Branch
Division of Licensing and Regulation

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JUN 14 1962

Date: