



UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, D. C. 20555

June 7, 1978

Honorable Joseph M. Hendrie
Chairman
U. S. Nuclear Regulatory Commission
Washington, DC 20555

REPORT ON MAINE YANKEE ATOMIC POWER STATION

Dear Dr. Hendrie:

During its 218th meeting, June 1-2, 1978, the Advisory Committee on Reactor Safeguards completed its review of the application by the Maine Yankee Atomic Power Company for authorization to operate the Maine Yankee Atomic Power Station at power levels up to 2630 MW(t). A subcommittee meeting on this matter was held in Washington, D. C. on May 25, 1978. The Committee had previously reported favorably on operation of the Maine Yankee Atomic Power Station at power levels up to 2440 MW(t) in its report of January 13, 1972. During this review, the Committee had the benefit of discussions with representatives of the Maine Yankee Atomic Power Company, Yankee Atomic Electric Company, Combustion Engineering Incorporated, and the Nuclear Regulatory Commission Staff. The Committee also had the benefit of the documents listed.

In the NRC Staff review of the request to increase power, analyses of accidents and transients, physics tests, fuel performance and site meteorology were carried out. Modifications to the Technical Specifications were also considered. In addition, the NRC Staff reviewed the operating history of the plant. In evaluating the proposed power increase in each of these areas, the NRC Staff used current NRC criteria. The NRC Staff has concluded that operation at the proposed power level in accordance with the proposed Technical Specifications is acceptable. The ACRS concurs.

The Advisory Committee on Reactor Safeguards believes that there is reasonable assurance that the Maine Yankee Atomic Power Station can be operated at power levels up to 2630 MW(t), without undue risk to the health and safety of the public.

Sincerely,

A handwritten signature in cursive script that reads "Stephen Lawroski".

Stephen Lawroski
Chairman

REFERENCES

1. Letter from W. P. Johnson, Maine Yankee Atomic Power Company to NRC, Office of Nuclear Reactor Regulation, concerning a proposed license amendment, on power level increase to 2630 MW(t), dated August 1, 1977.
2. Letter from W. P. Johnson, Maine Yankee Atomic Power Company to the Office of Nuclear Reactor Regulation, modifying the power level increase in two steps, dated December 9, 1977.
3. Safety Evaluation by the Office of Nuclear Reactor Regulation Concerning Power Level Increase of Facility Operating License No. DPR-36, Maine Yankee Atomic Power Company, Maine Yankee Atomic Power Station, Docket No. 50-309, dated January 17, 1978.
4. Letter from D. W. Edwards, Maine Yankee Atomic Power Company, to the Office of Nuclear Reactor Regulation, concerning additional information regarding Maine Yankee power level increase, dated March 1, 1978.
5. Letter from R. H. Groce, Maine Yankee Atomic Power Company, to the Office of Nuclear Reactor Regulation concerning information for the preparation of the SER, dated April 5, 1978.
6. Letter from R. H. Groce, Maine Yankee Atomic Power Company, to the Office of Nuclear Reactor Regulation, concerning additional information on power level increase, dated April 10, 1978.
7. Supplement No. 1 to the Safety Evaluation by the Office of Nuclear Reactor Regulation, concerning Power Level Increase of Facility Operating License No. DPR-36 Maine Yankee Atomic Power Company, Maine Yankee Atomic Power Station, Docket No. 50-309, dated April 11, 1978.
8. Letter from W. P. Johnson, Maine Yankee Atomic Power Company, to the Office of Nuclear Reactor Regulation, concerning Technical Specification changes for power level increase, dated April 28, 1978.
9. Memorandum from Edson Case, Chairman, Regulatory Requirements Review Committee to L. V. Gossick, Executive Director for Operations, dated May 12, 1978, concerning an interim approval of Draft Regulatory Guide, "Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants," dated February 3, 1978, and "Atmospheric Dispersion Model for Accident Evaluations," dated April 18, 1978.