

YANKEE ATOMIC ELECTRIC COMPANY

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March 3, 1981

United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. Paul S. Check, Assistant Director for
Plant Systems
Division of Systems Integration
Office of Nuclear Reactor Regulation

Reference: (a) License No. DPR-3 (Docket No. 50-29)
(b) License No. DPR-36 (Docket No. 50-309)
(c) USNRC Letter to YAEC dated June 26, 1980, Subject:
Prediction Requirements of LOFT Small Break Test L3-6
(d) RELAP5/MOD 1, NUREG/CR-1826, November 1980 (Draft)

Subject: LOFT L3-6 Post-Test Prediction

Dear Sir:

Attached please find the Yankee Atomic Electric Company's Post Test Prediction and comparison with test data for LOFT Small Break Experiment L3-6. The prediction was carried out by Yankee's RELAP4/MOD 3 based licensed code. The code was exercised in "best-estimate" mode.

Yankee intends to submit another post test prediction of LOFT L3-6 as calculated by RELAP5/MOD1 (Reference d). This project is underway and we expect to complete it shortly. The RELAP5/MOD1 predictions will be submitted to you as an Appendix to this report.

We trust this information is acceptable to you; however, should you have any questions, please contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

J. A. Kay
Senior Engineer - Licensing



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