

YANKEE ATOMIC ELECTRIC COMPANY

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580 Main Street, Bolton, Massachusetts 01740-1398

December 20, 1989
BYR 89-182

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

References: (a) License No. DPR-3 (Docket No. 50-29)
(b) USNRC Letter to Yankee, dated November 23, 1988
(c) Federal Register Notice, Page 36402, dated
September 1, 1989
(d) Yankee Letter to USNRC, dated January 3, 1983
(e) Yankee Letter to USNRC, dated October 27, 1989

Subject: Response to Generic Letter 88-20, "Severe Accident Closure
Submittal for Yankee Nuclear Power Plant"

Dear Sir:

The USNRC, in Generic Letter 88-20, Reference (b), requested that Yankee provide an Individual Plant Examination report for Yankee Nuclear Power Station. Yankee, in Reference (e), notified the NRC that it intends to provide a severe accident closure submittal for YNPS by December 29, 1989. This submittal is attached and addresses, in an integrated single evaluation, all four elements of the NRC's severe accident policy statement, specifically:

1. Individual Plant Examination (IPE).
2. Individual Plant Examination External Events (IPEEE).
3. Containment Performance Improvements (CPI).
4. Accident Management (AM).

The method of approach is probabilistic (PRA) and traditional safety analyses. This submittal relies, in part, on previous licensing submittals including the Probabilistic Safety Study (Reference (d)) and the Systematic Evaluation Program (SEP).

This submittal completes Yankee's response to Generic Letter 88-20. We trust that you will find it satisfactory; however, if you have any questions, please contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

8912280016 891220
PDR ADOCK 05000029
P PDC

A. C. Kadak

A. C. Kadak
President and Chief Operating Officer

ACK/gjt/0684v
cc: USNRC Region I
USNRC Resident Inspector, YNPS

Att *Letter* *Att* *2nd list*
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Then personally appeared before me, A. C. Kadak, who, being duly sworn, did state that he is President of Yankee Atomic Electric Company, that he is duly authorized to execute and file the foregoing document in the name and on the behalf of Yankee Atomic Electric Company and that the statements therein are true to the best of his knowledge and belief.

Helen D. Sammarco Notary Public
My Commission Expires November 7, 1991

NOTE: This is the second transmission of this correspondence. The first, mailed on December 20, 1989 contained the cover letter only. We apologize for any inconvenience this may cause you.