

YANKEE ATOMIC ELECTRIC COMPANY

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October 27, 1989

BYR 89-161

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

Subject: Response to Generic Letter 88-20, "Individual Plant Examination for Severe Accident Vulnerabilities"

Dear Sir:

The USNRC, in Generic Letter 88-20, Reference (b), requested within 60 days of receipt of the final guidance documents for Individual Plant Examinations (IPE) that Yankee provide its proposed program for completing the IPE for Yankee Nuclear Power Station. The final guidance documents were provided on September 1, 1989.

Yankee met with the NRC on May 10, 1989 and August 29, 1989. We informed you of our intention to provide a severe accident closure submittal for YNPS which 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 and approach will use probabilistic (PRA) and traditional safety analyses. Yankee will rely, in part, on previous licensing submittals including the Probabilistic Safety Study (Reference (d)) and the Systematic Evaluation Program (SEP).

The complete YNPS severe accident closure submittal will be provided by December 29, 1989.

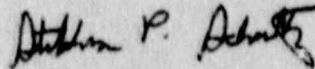
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We trust that you will find this response satisfactory; however, if you have any questions, please contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

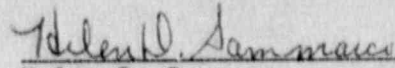


S. P. Schultz
Vice President

cc: USNRC Region I
USNRC Resident Inspector, YNPS

COMMONWEALTH OF MASSACHUSETTS)
MIDDLESEX COUNTY)ss
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Then personally appeared before me, S. P. Schultz, who, being duly sworn, did state that he is Vice 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